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INSTRUCTIONS

FOR

MEDICAL OFFICERS

OF THE

UNITED STATES NAVY.

Bureau of medicine & surgery

PUBLISHED BY ORDER OF THE NAVY DEPARTMENT.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1886.

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1886

SECTION 4 OF ACT TO REORGANIZE THE NAVY DEPARTMENT OF THE UNITED STATES.

And be it further enacted, That the Secretary of the Navy shall assign and distribute among the said Bureaus such of the duties of the Navy Department as he shall judge to be expedient and proper; and all the duties of the said Bureaus shall be performed under the authority of the Secretary of the Navy, and their orders shall be considered as emanating from him, and shall have full force and effect as such.

Approved, July 5, 1862.

NAVY DEPARTMENT,
Washington, July 1, 1886.

The following "Instructions" are approved and will be enforced.

W. C. WHITNEY,
Secretary of Navy.

3740

INSTRUCTIONS

FOR

MEDICAL OFFICERS OF THE UNITED STATES NAVY.

CORRESPONDENCE.

1.

After present supplies of regulation and foolscap papers are exhausted, *letter paper only will be used for official correspondence in this Department and in the naval service.* The letter paper is to be 7¾ inches by 10 inches in size; the whole sheets to have 15 lines on first page and 19 lines on the second and third, and the fourth to be blank for indorsements; the single sheets to have 15 lines on one page and the other to be blank for indorsements. The ruling to be within ¾ of an inch to the left and right.

2.

Letters to be folded twice. The first or upper fold of a letter (which is the back of its heading) is to be properly indorsed with the name of the vessel, navy-yard, or station, the name of the writer, and a brief in a clear hand of the subject of the letter, leaving not less than one inch blank space above the indorsement for the receiving stamp of the Department, Bureau, or Office to which it is addressed.

3.

In forwarding letters, the forwarding stamp and signature should be on the face and not on the folds.

4.

The number of inclosures accompanying a paper will be noted just below the indorsement.

5.

A whole sheet is not to be used if the letter is completed on one page.

6.

In replying to numbered letters from the Navy Department, its Bureaus and Offices, its file-number, date, and a brief reference to the subject will be given.

7.

Returns, requisitions, vouchers, and reports on prescribed printed forms, which are complete in themselves and properly authenticated, and do not require special explanation, will not be accompanied by a letter of advice or transmittal.

8.

For *semi-official correspondence* note paper will be used.

9.

Paper, envelopes, and all other articles of stationery furnished to vessels, navy-yards, and stations are intended for official business; officers will therefore exercise care to prevent waste of such articles.

10.

Officers signing and forwarding letters will be held responsible for a strict compliance with these directions,

and must pay personal attention to the matter until a radical change has been consummated in the manner of preparing correspondence for transmission to the Navy Department and the Bureaus and offices thereof.

11.

Blank forms are supplied by the Bureau, on request by letter, and models of them are here incorporated with the text: to guard against omissions, every blank space should be filled, if only with a line in ink.

12.

Papers required in duplicate, triplicate, &c., will be marked "duplicate," "triplicate," &c.

13.

Copies of all official papers will be carefully preserved, for reproduction in case of loss.

14.

The dates of all circulars, orders, telegrams, or letters to which reference is made in corresponding with the Department, or any of its Bureaus, must be distinctly quoted.

15.

Should any communication be made to the Secretary of the Navy and, at the same time, to the Bureau, the person forwarding such duplicates will state the same in his communication.

16.

All telegrams of a personal nature, such as applications for detachment, for orders, extensions of leave,

&c., must be paid for by the parties sending them; telegrams sent by officers at Government expense must be as brief as possible.

17.

Officers of the Navy will hereafter, in corresponding with the Department, write separate letters on separate subjects unless the subjects are of like nature. The practice, for instance, of embodying in the same communication information relating to the movements and condition of a vessel, the assignment or detachment of officers, suggestions as to discipline, or the result of a court-martial, produces confusion and delay in acting on its subject-matter.

In acknowledging a communication from the Department, not only the date of such communication should be given, but there should also be a brief reference to its subject.—General Orders, Navy Department.

GENERAL DUTIES.

1.

Medical officers are required to be familiar with the laws and regulations relating to their duties.

2.

The senior medical officer of every ship or station (except at hospitals where Case-papers are used) shall keep, or cause to be kept by a medical officer subordinate to him, a **Medical Journal**, which must be a complete and succinct history of the medical affairs coming

within his province. In this and all other records especial regard is to be paid to neatness, accuracy, and uniformity.

While it is impossible to give directions so minute as to cover every detail, and much must be left to an intelligent discretion, the principal points to be observed in keeping this Journal are the following:

(*a*) Patient's name in full, also his grade or rate, both from the muster-roll.

(*b*) Age, — years.

(*c*) Native of ———.

(*d*) Color.

(*e*) Enlisted at ———, on the —— day of ——, 18—.

(*f*) Disease, by name from accompanying nomenclature, with explanatory remarks, if necessary.

(*g*) Time and place of occurrence, or dates between which there was continuous exposure to morbific cause.

(*h*) Whether considered to be in line of duty or not in line of duty, state all *facts* that can be elicited, distinguishing between the testimony of the patient himself and that of any other witness, and in express terms accepting or rejecting that of the patient, and giving reasons for so doing.

(*i*) Medical officers will observe conciseness in clinical reporting. Common symptoms of ephemeral diseases and details of treatment need not be noted; the simple nosological title will suffice in such cases; as "*Diarrhœa Acuta*," "*Constipatio*," "*Catarrhus*," with statement of origin.

(*j*) The Medical Journal must be indexed daily.

(*k*) Any evidence that could have any bearing on a claim for pension must be fully noted.

INSTRUCTIONS FOR USE OF INDEX.

Henry Ashton first appears at page 1, where the description of him is complete; he reappears at page 34, where reference is made to page 1; again at page 67, and new reference, "see page 1."

Ashton (*Henry*), 1, 34, 67, 89, 121, 156 .....**A.** in Index.
Brown (*John*), 2, 31, 42, 51 .....**B.** in Index.
Bunce (*Philip*), 4, 75, 108 ....**B.** in Index.
Cullen (*Wm.*), 4, 19, 63 ....**C.** in Index.
Davis (*Henry*), 3 .....**D.** in Index.

When the first line allotted to any name is filled, take up that name again on the next blank line below; *e. g.:*

Ashton (*Henry*), 190, 234.

The Journal may thus be traced for a full history of each case.

A. in margin means admitted.
D. in margin means discharged to duty.
Dsd. in margin means deserted.
DD. in margin means died.
H. in margin means sent to hospital.
T. in margin means transferred somewhere.
I. in margin means invalided to U. S.

On each successive day the names of the patients shall be recorded in the order of admission, with mention of the changes in the condition and treatment until the final disposition of the case.

Should a change of diagnosis become necessary, the case must be closed by the discharge of the patient, and reopened by his admission with the new diagnosis, except in cases of intercurrent affections depending upon the original cause of disease, when the record may be

continued. This rule applies alike to Case-papers and Journals.

A patient readmitted with a disease for which he has previously been treated and discharged shall be regarded as a new case.

Records of the temperature, pulse, respiration, and excreta of important cases shall be kept on Form Q, and appended to the Journal or Case-paper.

In case of death, post-mortem examinations should be made when practicable, and the results fully recorded in the Journal or on Case-paper.

After the completion of the daily record connected with the sick, mention shall be made of all matters relating to the duties of the medical officer, such as sanitary inspections, recommendations made to the commanding officer, and vaccinations.

The record of each day shall include all admissions, discharges, deaths, and other occurrences up to midnight of that day.

In all cases where a patient is admitted and discharged upon the same day, he shall be noted as having been upon the sick list one day.

The senior medical officer of the ship or station is responsible for the accuracy of the Journal and Case-paper, which must always be written by a medical officer.

Wherever a Medical Journal is kept, the medical officer who holds sick-call shall make the entries in the Journal over his own signature. The Journal shall be inspected daily by the senior medical officer, who shall attach his signature—indicating the correctness of the record—and make any additional entries he may deem proper.

tain the name, rate, disease, origin, and disposition of every case admitted on the Journal. The names shall be arranged in order of admission, as many sheets only being used as will contain all the entries. Under the head "Origin" shall be written "duty" or "not duty," as expressive of the opinion of the medical officer with regard to the connection of the disease or injury with the line of duty; and under the head of "Remarks" a statement of the facts upon which this opinion is grounded.

In transmitting this abstract to the Bureau it should be sent in a pasteboard tube or rolled over a firm center to avoid folding and breaking.

Each sheet of the quarterly and annual abstract is to be begun on the upper left-hand corner nearest margin left for binder, and the signature of the medical officer in charge shall be affixed to the lower right-hand corner of the last sheet. On the 1st day of January a **Yearly Abstract of Patients, Form F²**, shall be made for the preceding year, which shall include all the names of patients entered on the quarterly abstracts of the year, *arranged alphabetically.*

6.

The **Report of Sick, Form K**, shall be made on the first day of January, April, July, and October, and sent with the Quarterly Abstract, with which it must agree, direct to the Bureau. On board of cruising vessels a duplicate is to be forwarded to the Surgeon of the Fleet.

The annual statistical report of the Surgeon-General is based upon the Report of Sick, and inaccuracies or deficiencies in this will consequently prejudice the correctness and value of the former. Medical officers will

therefore see the necessity for care and exactness in its preparation. To this end it is directed that a **List of Patients** be kept, in which shall be inscribed the name of every man as soon as he is entered upon the Journal. From this list Forms K and F are to be prepared, and if it be accurate, the result will be an exact accordance of these two returns with the Journal.

7.

The following returns shall accompany Form K to the Bureau:

1. Abstract of Patients, Form F.
2. Unpaid quarterly bills, in triplicate, for approval; incidental bills will be forwarded on receipt of articles.
3. Requisition, in quadruplicate, for stores (semi-annually).
4. Special reports of interesting cases or operations which have occurred under the notice of the medical officer, accounts of epidemics, reports of sanitary observations, or of other matters of importance.
5. Any completed Medical Journals.
6. Abstract of Enlistments and Rejections (Form X) from Receiving Ships, Rendezvous, and other recruiting stations. From vessels in commission for sea service to be forwarded annually on January 1.

Medical officers will not be required to forward triplicates of bills paid, with their Quarterly Reports. On vessels in commission a copy is forwarded to the Bureau by the Paymaster.

8.

During the prevalence of epidemic or contagious diseases on foreign stations, especially in ports of the Gulf of Mexico, the West Indies, and the South Atlantic Sta-

tion, medical officers shall forward to the Bureau all reliable information relating thereto which they may be able to procure.

At the close of each year, and at the end of the cruise, a **Sanitary Report** shall be made to the Bureau, which shall include a report of the sanitary condition of the ship or station, accounts of epidemics, recommendations or cautions that may be of service to other vessels visiting the ports, information or suggestions that may tend to the preservation of the health of the personnel of the ship or station, and any facts of professional interest not generally known concerning ports visited.

9.

The senior medical officer of each hospital, station, or vessel will be held responsible and accountable for all public property belonging to the Medical Department of the Navy under his control. He will make an annual property return to the Bureau, on Form D, on the 1st day of July of each year. The return from vessels in squadron will be forwarded through the Fleet Surgeon, who will ascertain whether or not the expenditures were made with due regard to efficiency and economy, and will report to the Bureau any instances of wastefulness or unauthorized expenditure.

Medical officers will forward to the Bureau, with this return, a concise account of the authority and reasons for expenditure and disposition of all property expended other than medicines, hospital stores, surgical appliances, and stationery. They will not be released from responsibility for the value of any surgical instruments or furniture, unless the expenditure is authorized by the Bureau or a Board of Survey.

Articles classed under Dispensary Furniture and supplied in quantities for expenditure need not be surveyed.

In case of loss or destruction of any surgical instruments or furniture, the medical officer responsible for the property will at once report the facts to the Bureau if the loss or destruction occurred in the United States, and to the fleet surgeon if in squadron.

Whenever a medical officer is relieved from duty he shall transfer to his successor all public property in his control, taking duplicate receipts for the same, one of which he shall retain and forward the other to the Bureau.

10.

Surveys of Property will be ordered by the Bureau within the United States, and the Commander-in-chief abroad, upon such articles as may be considered unfit for further use, and it shall be the duty of the Board to decide upon this point, and also, in case the article is condemned, as to its disposition. In the case of surgical instruments and appliances which have become unfit for further use a survey shall be held before the issue of others.

All reports of survey on property belonging to the Medical Department shall be forwarded in duplicate to the Bureau, from vessels in squadron through the Fleet Surgeon for his indorsement.

11.

The senior medical officer of each hospital or shore station will keep, or cause to be kept, a Bill-book, in which shall be entered a copy of the items of every

voucher forwarded to the Bureau for approval, noting the number of the form on which voucher was made, date of voucher, and in whose favor. This Bill-book shall be retained as one of the permanent records.

12.

A patient transferred from the charge of one medical officer to that of another must be accompanied by a **Hospital Ticket, Form G**, containing the statement of his case as recorded in the Journal, which shall also be recorded in the Journal of the officer to whose care he is transferred, or affixed to the Case-paper.

When practicable a patient transferred to a hospital will be accompanied by a medical officer.

Certificates of Death, in duplicate, are to be sent to the Bureau, and, in squadron, to the Surgeon of the Fleet.

The statement as to origin of disease or disability causing death shall aways be noted, with reasons for the conclusion, whether or not in line of duty.

13.

When patients are transferred on foreign stations to a vessel returning to the United States, for transportation to hospital, the medical officer of the returning vessel will enter such patients on his Journal and account for them as the sick of the vessel. He will note on his Journal the record of their cases on the Hospital Tickets, and will retain the Hospital Tickets to accompany them when transferred to hospital. At the date of transfer he will indorse on the original Hospital Tickets anything of interest in their cases that may have occurred while under his charge.

14.

In the **Meteorological Observations** for Journal entry, care is necessary—

1. That correct readings are taken of wet and dry bulb thermometers.

2. That water is always supplied to the wet-bulb thermometer, and that the cotton siphon is frequently renewed.

3. When steam is used for warming the ship a note to that effect should be made.

4. Any peculiar conditions, local or general, tending to modify the state of the atmosphere should be stated, the object of these reports being to establish the relation, if any, between the atmospheric and sanitary condition of ships.

Medical officers of vessels in commission shall make Journal entries of thermometic and hygrometric observations, to be taken at 9 a. m. daily, and of observations for determining carbonic acid impurities in the air of the berth deck, to be made once each week, at 9 p. m.

15.

A yearly **Return of Books** shall be made on the 1st of January from every hospital or station supplied with a library, giving the author's name (alphabetically), title of book, and number of volumes. On the first day of each subsequent quarter of the year, this return shall be compared with the books on hand, and a supplementary report made of the additions and losses (if any) which have occurred during the quarter.

16.

When a vessel is put out of commission, books and blank forms will be transferred with the medical stores.

17.

Medical officers are forbidden to give unofficial certificates of the health, or of inability to perform duty.

SUPPLIES.

1.

When a ship is fitted for sea her medical officer will receive from the Director of the Laboratory her outfit, together with **Receipts** in duplicate. These shall be signed by him, the original sent to the Laboratory, and the duplicate retained for his files.

2.

Requisitions, Form B, in quadruplicate, shall be made semi-annually on the 1st of April and October for such stores as may be needed for the ensuing six months. In preparing them the quantities of medicines asked for shall correspond to the packages mentioned in the Supply Table, and the column "On hand" shall always be filled opposite articles required for.

3.

The allowances in the Supply Table are intended, in the outfit of a ship, as the basis of supplies for the cruise.

public auction, the medical officer in charge will make an inventory of and carefully preserve the property until he shall be directed to deliver it to the auctioneer for sale. He will forward a copy of this inventory to the Bureau as soon as the report of the Board of Survey is approved.

10.

Any medical officer desirous of making investigations, may apply to the Bureau for a microscope and attachments, which when furnished will be under the personal charge of the officer, who will be responsible for its care and preservation. While it is in his charge he will be required to forward to the Bureau, at the end of each quarter, mounted specimens, illustrative of the work upon which he is engaged, and when his investigations have ended he shall return the microscope and attachments to the Bureau. He will be required to supply any deficiencies in the microscope or attachments—other than those supplied for expenditure—which may be noted on its return.

HOSPITALS.

1.

The medical officer in charge of a naval hospital is responsible for the care and treatment of the sick, and for the discipline, cleanliness, and economy of the insti tution, which it is his duty to keep always in an efficient condition, and to this end he shall exact from his subordinates, employés, and patients a proper obedience to his orders and the laws and regulations of the

Navy. Medical officers and all persons employed in the hospital shall perform such duties as may be assigned to them by the officer in charge.

2.

No changes, except in cases of emergency, which shall be immediately reported to the Bureau, shall be made in the hospital buildings, furniture, and grounds, such as destroying or removing trees, or disturbing the soil around them; and no bills for purchases or repairs shall be contracted without the permission of the Bureau.

3.

The medical officer in charge shall inspect all medicines, provisions, supplies, etc., that may be received, or shall cause them to be inspected by a subordinate medical officer, who shall report to him their condition, etc. A record of the inspection shall be entered on the daily journal.

4.

He shall direct the medical officers in charge of wards to present their Case-papers to him once each week for examination, and will assure himself that they are accurately and carefully kept.

5.

OFFICER OF THE DAY.

The officer in charge of the hospital shall detail a medical officer, who, in addition to such professional duties as may be assigned him, shall perform the duty

of "officer of the day" for twenty-four hours, commencing at 10 a. m. The officer of the day shall make a tour of inspection through the wards, kitchens, mess and other rooms occupied by patients and employés, upon going on duty at 10 a. m., during the afternoon at a different hour daily, and finally at night after the patients are in bed.

A list of patients and employés who have received passes shall be furnished him as early as practicable every morning, and all patients and others will be required to report their return to him.

6.

A Journal shall be kept by him, which he shall sign at the end of his term of duty at 10 a. m., in which he shall make a brief record of the following points which are to be noted at the time of occurrence: The condition of the wards, kitchens, mess, smoking, and other rooms at each inspection; the condition of the meals served as to quality and quantity; the names and diseases of patients admitted, and the places from which they are received; the names, number of days subsisted, and disposition of patients discharged, and whether the necessary papers in each case are correct and complete; the names and condition of patients and employés who have returned or who have overstaid their leaves; the confinement and discharge of offenders, and cause of punishment; the appointment and discharge of employés; the reporting and detachment of officers, or their going upon and returning from leave; the record of inspection of all articles received; the object and finding of all boards of survey; and finally such other matters occurring during his term of duty as it may be desirable to record.

7.

Medical officers in charge of wards shall be held responsible for their order and neatness, and for the good condition of all within them. They shall exercise a personal supervision over the comfort and welfare of the sick, visiting them at least twice daily, and oftener in severe cases; and they shall assure themselves that their directions as to medicines, dressings, regimen, etc., are accurately and promptly carried out. They will personally take the temperatures of patients, and will never allow this duty to be performed by the nurses.

8.

Patients should be accompanied, upon admission, with **Hospital Tickets, Form G**, but in cases of emergency they may be admitted without this paper, when the medical officer shall report the fact to the commandant of the station with a statement of the emergency, and cause the necessary hospital ticket to be supplied.

9.

Convalescent patients may be detailed for light service, but shall not be retained in the hospital for that purpose after they are fit for duty.

10.

No patient in hospital shall be entitled to any service except that of the regular hospital attendants, nor shall any one except medical officers on duty, patients, and employés of the hospital be subsisted or lodged without permission of the Bureau.

11.

FULL DIET.

In hospitals, the following **Diet Tables** will be followed for patients when practicable; but the allowances to attendants' messes may be varied at the discretion of the medical officer in charge, provided the value of the ration be not exceeded:

	Breakfast.		Dinner.		Supper.	
Sunday.	Coffee (oz., 1)....pt.	1	Roast beef.....oz	12	Tea (oz., ½)...pt.	1
	Bread .....oz.	6	Bread .....oz	4	Bread.....oz.	6
	Butter.....oz.	1	Potatoes ..... oz.	10	Butter .....oz.	1
	Stewed mutton ..oz.	4	Other vegetables...oz	4	Sugar ... .oz.	1
	Sugar .....oz.	1	Pickles .....oz.	1	Milk .....oz	2
	Milk ..... oz.	2				
Monday.	Coffee (oz., 1)....pt.	1	Mutton.....oz.	12	Tea (oz., ½)...pt.	1
	Bread ..... oz.	6	Bread .....oz.	4	Bread .. ....oz.	6
	Butter.....oz.	1	Potatoes.....oz.	10	Butter .....oz.	1
	Beef hash .....oz.	4	Other vegetables...oz	4	Sugar .....oz.	1
	Sugar .....oz	1	Pickles .....oz.	1	Milk ..... oz	2
	Milk .....oz.	2				
Tuesday.	Coffee (oz., 1) ...pt.	1	Boiled beef .....oz.	12	Tea (oz., ½)...pt.	1
	Bread ..... oz.	6	Bread .....oz	4	Bread .....oz.	6
	Butter .....oz.	1	Potatoes.....oz.	10	Butter ..... oz.	1
	Mutton hash ....oz	4	Other vegetables...oz.	4	Sugar.....oz.	1
	Sugar ..... oz.	1	Pickles .....oz.	1	Milk .....oz	2
	Milk .....oz.	2				
Wednesday.	Coffee (oz., 1)....pt.	1	Beef soup .....pt.	1	Tea (oz., ½)...pt.	1
	Bread ..... oz.	6	Pork .....oz.	12	Bread.....oz.	6
	Butter.....oz.	1	Beans ....oz	4	Butter .....oz	1
	Beef hash.....oz	4	Bread .....oz	4	Sugar .....oz.	1
	Sugar .....oz.	1	Potatoes.....oz.	10	Milk .....oz.	2
	Milk .....oz.	2	Pickles .....oz	1		
Thursday.	Coffee (oz., 1)....pt.	1	Roast beef.....oz	12	Tea (oz., ½)...pt.	1
	Bread .....oz	6	Bread .....oz.	4	Bread .....oz.	6
	Butter.....oz.	1	Potatoes..... oz.	10	Butter .....oz.	1
	Pork and beans..oz. (warmed).	6	Other vegetables...oz.	4	Sugar .....oz	1
			Pickles .....oz.	1	Milk .....oz.	2
	Sugar .....oz.	1				
	Milk .....oz	2				
Friday.	Coffee (oz., 1)....pt.	1	Fish .....oz.	12	Tea (oz., ½) ..pt	1
	Bread .....oz.	6	Bread .....oz.	4	Bread .....oz.	6
	Butter.....oz.	1	Potatoes.....oz.	10	Butter .....oz.	1
	Fish, chowder...oz.	4	Other vegetables...oz.	4	Sugar .....oz.	1
	Sugar .....oz.	1	Pickles ..... oz.	1	Milk .....oz	2
	Milk .....oz.	2				
Saturday.	Coffee (oz., 1)....pt	1	Bean soup .....pt.	1	Tea (oz., ½)...pt.	1
	Bread .....oz.	6	Stewed mutton ... oz.	12	Bread ....oz.	6
	Butter.....oz.	1	Bread .....oz	4	Butter .....oz.	1
	Beef hash .....oz	4	Potatoes.....oz.	10	Sugar .....oz.	1
	Sugar .....oz.	1	Other vegetables...oz.	4	Milk .....oz.	2
	Milk .....oz.	2	Pickles .....oz.	1		

12.

A **Special Diet List, Form P**, shall be kept for each ward, which shall be revised and corrected every morning by the medical officer in charge of the ward.

13.

ADMISSION OF PATIENTS.

The following forms are to be observed:

(*a*) When the hospital ticket is found correct, indorse and file it, with accompanying papers relating to the case; if defective, return it to the medical officer signing, when he is at hand, or, otherwise, through the Bureau.

(*b*) Enter name, etc., as follows: (1) In the **General Alphabetical Register of Patients, Form E**, which is the permanent hospital record, for future reference. (2) In the **Abstract of Patients, Form F.**

(*c*) Open **Case-paper, Form H.**

(*d*) If seaman from the receiving-ship or other vessel, send **Ration Notice** to commandant of receiving-ship as Paymaster's notification; if a marine from neighboring barracks, send the ration notice to the commanding marine officer through commandant.

14.

DISCHARGE OF PATIENTS.

No person shall be discharged from the service for physical disability without having been previously surveyed by a board of medical officers.

A copy of the **Report of Survey** and of any other paper relating to the patient shall be appended to the Case paper, which shall be signed at its conclusion, or on detachment of the officer, by the medical officer in charge of the patient's ward. Case-papers will be verified by the signature of the medical officer in charge of the hospital.

16.

When a patient is discharged from hospital the fact shall be entered upon the **Register of Patients**, and also upon the Case-paper, which is then to be filed with the hospital ticket attached. The ration notice shall be forwarded through the commandant of the station.

17.

On every Monday, a **Report of Sick, Form I**, for the preceding week, shall be made in triplicate, one copy of which shall be sent to the commandant of the station, one to the Bureau, and the other retained for the files of the hospital, as a basis for the report of the following week.

which he shall embody in a general report, to be forwarded to the commander-in-chief and Bureau.

5.

He shall approve and forward to the Bureau all reports of survey and certificates of death, and make, from the duplicate quarterly reports of sick sent to him, an **Aggregate Report** for the Bureau, and a **General Sanitary Report** of the station.

SEA-GOING SHIPS.

1.

The senior medical officer ordered to a vessel fitting out shall examine the dispensary, medical store-rooms, and sick bay, to see that every proper preparation is made for the reception of the stores and medicines, and for the care of the sick and wounded. Defective arrangements shall be immediately reported to the commanding officer.

2.

As soon as the crew has been received on board he shall inspect the men, comparing their descriptive lists, and request a medical survey upon all who appear to be disqualified for service. He shall also make a list of all who may seem to require **vaccination**, and the operation shall be done as soon as possible, and repeated in case of failure, until there is a reasonable assurance that the person is protected.

3.

He shall, at all times, have in readiness everything necessary for the relief of the wounded, and on the probability of an engagement he shall distribute a sufficient number of tourniquets, in the use of which the persons to have them in charge shall be instructed. After battle he shall make out in duplicate a careful report of killed and wounded, one copy of which he shall send to the commanding officer, and the other to the Surgeon of the Fleet.

4.

Whenever any person on board shall receive a wound or injury which may entitle him to a pension, he shall report the same to the commanding officer in writing before the person is removed or discharged.

5.

He shall, when directed by the commanding officer, cause to be examined the boats attending the ship for the sale of articles of food, to ascertain whether they contain anything which may be prejudicial to health. He shall also, when required, inspect the provisions of the crew, and test the water to be received on board, reporting to the commanding officer any unsoundness or impurities which may be found.

6.

He shall make known to the commanding officer everything conducive to or militating against the general health and comfort of the ship's company.

RECRUITING AND PHYSICAL EXAMINATIONS.

1.

Medical officers will exercise great care in the performance of this duty; and hereafter, when reports of Medical Survey or Hospital Tickets represent a disability to have existed prior to enlistment, the fact shall be reported to the Bureau, which will hold the medical examiner who passed the recruit accountable for the improper enlistment.

2.

The applicant for enlistment having been found to be clean and sober, the medical examiner shall proceed to make a thorough inspection of his body. While permitted to exercise his own discretion as to the routine of procedure, he shall make inquiry on all the points indicated below:

General Surface.—The applicant, being entirely nude, is to stand erect before the examiner, in a bright light, and present successively front, rear, and sides. [*Retarded development, deformity or asymmetry of body or limbs; knock-knees, bow-legs, or splay feet, especially in minors; spinal curvatures; feebleness of constitution; strumous or other cachexia; emaciation; obesity; cutaneous or other external disease; glandular swellings or other tumors; nodes; varicosities; cicatrices; indications of medical treatment; leech-bites, blister stains, seton or scarification scars; and evidences of small-pox or successful vaccination.*]

Extremities and Articulations.—Applicant to present dorsal and palmar surfaces of both hands; to flex and

exte[illegible] [illegible] when decided.
ger. [illegible] sunburnt, or tanned;
and [illegible] *negro.*
mo[illegible] [illegible]: *auburn* (reddish
ex[illegible] [illegible] very dark); *black;* also
el[illegible] [illegible] *cool.*
[illegible] [illegible] *yellow-gray; hazel* (light
[illegible] [illegible] *colored* (as when the pupil-
[illegible] [illegible] color from rest of iris); also
[illegible] [illegible] of different colors.

[illegible] **[illegible]ristics.**—Any prominent physi-
[illegible] with bodily vigor, or not in
[illegible] cause for rejection—*lean-*
[illegible] *[illegible]ness;* slight *asymmetry* of body
[illegible] *[illegible]-legs,* or *splay feet; peculiarities*
[illegible] slight *raricocele* or *cirsocele,* &c.
[illegible] medical examiners are to remember
[illegible] that might pass in *men* should reject
[illegible] of rejection.

[illegible] **[illegible]ry.**—Any fact suggesting predisposition
[illegible] or exemption from morbid action (*lon-*
[illegible] *[illegible]sanity,* or *sickness of parents* or *near rel-*

[illegible] to be expressed in years and months; and the
[illegible] *always* the month concluded and not the
[illegible] current.

Weight.—Accuracy of scales to be ascertained before
[illegible] body nude.

Height.—To be expressed in inches; the body to be
[illegible], the chin neither elevated nor depressed, the feet
[illegible] knees touching, legs stiff, and arms hanging per-
pendicularly.

Thorax.—Circumference to express the *mean* of the

which

column, *in*
ng the appl
normal cond
y not inconsi
xamination of *m*
ter statement of h
affix signature o
examination.

4.

other person than a m
conduct any part of a ph
any measurement or or
record of enlistment.

5.

erson is enlisted for the naval s
making the examination will
s on Form No. 12, Bureau of E
ing, for the use of the equipmen
sel. Upon transfer the necessary e
on this record.

6.

that the Naval Academy records o
condition of naval cadets may be complete
board of medical officers making the ph
nation of cadets before final graduation, a
ction of the six years' course, may have all
information, when naval cadets are detached
going vessels, either by transfer to other vess

8.

A similar List of Persons Examined, embracing the particulars on Form X, shall be kept by all boards of medical examiners and by all medical officers charged with the physical examination of candidates for appointment as officers in the Navy, and of officers for promotion, returns of which shall be made to the Bureau as directed in the preceding paragraph.

9.

In making physical examinations of candidates for enlistment in the naval service, the examinations must in all cases be completed according to the official forms, and not suspended on the recognition of a disqualifying defect.

10.

The examination having been concluded, and the candidate found qualified for the service, the medical examiner shall, upon a blank furnished by the Bureau of Equipment and Recruiting, or Commandant of the Marine Corps, make entry on and transmit to the commanding officer of the rendezvous, post, station, or vessel, the enlistment record, Form XII, Bureau of Equipment and Recruiting, or Enlistment Record of Marine Corps.

11.

In cases where infirmities not amounting to disqualification for special ratings are waived by the Navy Department, the medical examiner shall fully describe the same on Form X and other records of enlistment, and

at once report the fact to the Bureau of Medicine and Surgery, that no claim for pension may be based upon them.

12.

Recruits enlisted at rendezvous on shore shall be re-examined as soon as they arrive on board the receiving-ship, and any defects which may be discovered reported at once to the commanding officer.

13.

Recruits shall be immediately vaccinated, and in cases of failure the operation should be repeated until the medical officer is convinced that the individual is protected. Results of Vaccination shall always be reported on Form K.

SURVEYS.

1.

Whenever any person in the Navy becomes, in the opinion of the senior medical officer, unfit for further duty upon the vessel or station to which he is attached, or for the service, the latter shall report the fact to the commanding officer with a Request for a medical survey, Form L.

2.

Reports of Medical Survey shall be made in duplicate, and duly forwarded to the Bureau of Medicine and Surgery through the usual channel; except in cases of officers or marines, when they shall be in triplicate, the

third copy to be forwarded to the Office of Detail in the case of survey of an officer, or in the survey of a marine forwarded to the commanding marine officer, for the Commandant of Marines. In all cases of Medical Survey, the medical officer making the request shall make a full entry of report on the Journal or Case-paper. Reports of Survey shall be made according to the prescribed form, an opinion as to the origin being definitely given, and a statement of the facts connected therewith. When no unfitness is found, it is sufficient to state this fact; when it exists, and is regarded as being temporary, the phrase "unfit for duty" should be used, and when permanent, that of "unfit for service" employed.

The common name of the disease is to be given.

Under the head of "Recommendation" is to be given the contemplated disposition of the patient. In the case of officers, this may be detachment, either with sick leave or for hospital treatment; or if the unfitness is judged to be temporary, he may be *detailed* for hospital treatment with the view of being returned to his station. Enlisted men should be sent to hospital for treatment, or recommended for discharge.

In surveys at hospitals the name of the vessel from which the man was received shall always be noted.

3.

When men in the United States are condemned by medical survey on account of disease which may have resulted from their own indiscretions, or from causes not incident to the service, the Board will not make any recommendation relating to their transfer to another station for discharge.

APOTHECARIES.

Apothecaries may be appointed by the senior medical officer of any vessel or station, but all such appointments must bear the approval of the commanding officer. They will be entered on the ship's books, after having been found physically qualified, taken the oath of allegiance, and signed an agreement in accordance with prescribed form to serve faithfully for the cruise, or until discharged, to be amenable to the laws, regulations, and discipline of the service, and to be subject to discharge, in case of misbehavior, in any port, foreign or domestic, without claim for passage money; the fact of misbehavior to be established by a summary court-martial. This agreement must be executed in duplicate, one copy of which, approved by the commanding officer, together with the oath of allegiance, is to be forwarded to the Chief of the Bureau of Medicine and Surgery, and the other retained by the commanding officer. A copy of the appointment shall be forwarded to the Bureau with the agreement.

The physical examination of apothecaries will be made by the officer appointing them.

Apothecaries may also be shipped as landsmen, and rated as apothecaries by the commanding officer, on recommendation of the senior medical officer.

Apothecaries appointed for service on shore, in hospitals or at stations, can be discharged for incompetency or misbehavior, by the senior medical officer, with the approval of the commanding officer.

Apothecaries and all other persons employed in the Medical Department of the Navy are prohibited from

accepting donations or bequests from patients or contractors, or from the friends of either, and from acting as administrator or executor, or receiving on deposit any article of value from any patient.

BAYMEN.

Baymen will be enlisted as landsmen for general service, and rated baymen by the commanding officer on the recommendation of the senior medical officer. The number will be regulated by the complement of the vessel.

F. M. GUNNELL,
Surgeon-General.

BLANK FORMS AND THEIR USES.

Form A—Medical Outfit.

Prepared at Laboratory in duplicate; forwarded with stores; senior medical officer of vessel going in commission signs both copies; returns original to Laboratory; retains duplicate for his files.

Form B—Requisition.

To be made and forwarded to Bureau in quadruplicate, semi-annually on the 1st of April and October from hospitals, stations, and vessels in the United States. On foreign stations semi-annually, when in company with flagship, or when in port where articles can be purchased at best rates; quantities required to correspond to packages, column "on hand," opposite articles required for, always to be filled; quadruplicate returned to medical officer as notification of receipt and approval. Original and duplicate will be forwarded to medical officer from Laboratory. He will sign both copies, return original to Laboratory, and retain duplicate for his files, as substitute for quadruplicate, which can then be destroyed.

Form D—Inventory of Property.

Single copy to be forwarded to Bureau July 1 of each year from all vessels and stations. To be prepared in accordance with article "Property accountability."

Form E—Register of Patients.

Kept at hospitals as permanent record.

Form F—Quarterly Abstract of Patients.

Single copy in pasteboard tube, or rolled over firm center, forwarded to Bureau at end of each quarter, or for part of quarter if ship goes out of commission. Arrange names in order of admission.

Form F 2—Annual Abstract of Patients.

Single copy in pasteboard tube, or rolled over firm center, forwarded to Bureau 1st of January of each year, with quarterly abstract of fourth quarter. If ship goes out of commission, form to be made up for part of year in commission. Names on annual abstract to be arranged *alphabetically* to facilitate reference in pension cases. In making this abstract great care should be taken to avoid double entry of names of men continued on the quarterly abstracts from one quarter to the succeeding. Names remaining at end of year shall be entered anew on next quarterly and annual abstract, noting dates of original admission.

Form G—Hospital Ticket.

Single copy always to accompany patient whenever transferred for treatment. Descriptive list to be obtained from equipment officer, and to correspond accurately with entry on face of ticket, except as to age record on face of ticket, which is to be age at date of transfer; at hospitals to be attached to case-paper and filed.

Form H—Case-paper.

To be kept at hospitals. To be made out by medical officer of ward to which patient is assigned, as soon as examination is made of patient's condition on admission, which condition shall be fully noted. To be presented to medical officer in charge of hospital once each week for examination. On discharge of patient to be signed by medical officer in charge of ward and approved by signature of medical officer in charge of hospital.

Hereafter case-papers and attached hospital tickets will not be pasted in invoice files at hospitals, but will be arranged in yearly packages, representing patients discharged from January 1 to December 31 of each year, in order of discharge. Each case will be numbered on the upper right-hand corner of the attached hospital ticket, commencing January 1, with number 1. At the end of the year an index will be made on cap paper of all the cases discharged during the year, and the package of case-papers, with index, forwarded by express to Bureau. In writing case-papers a margin of three-fourths of an inch for binding will be allowed at the fold of the case-paper.

Form I—Weekly Report of Sick.

To be made at hospitals at the end of each week. One copy sent to Bureau, one to commandant of station, one retained at hospital for reference.

Form J—Morning Report of Sick.

To be made each morning after sick call on all vessels, and at navy-yards and stations where sick calls are held. Single copy to commanding officer. To include all names on journal. Binnacle List to include all names on Form J and names of men ascertained to be sick or disabled after morning report of sick has been forwarded to commanding officer.

Form K—Quarterly Report of Sick.

To be made at end of each quarter on board of all vessels, and at all hospitals, navy-yards, and stations where sick are cared for. Single copy forwarded to Bureau. Duplicate retained and filed.

Medical officers will exercise great care in the preparation of this Report, and will, before forwarding it to the Bureau, personally compare the entries with those on the abstract of patients and ascertain that there is absolute conformity in the entries as to cases of disease, admissions, discharges, total sick days, etc.

As medical officers are no longer required to forward triplicates of all bills paid with their quarterly report of sick, they will, in all cases where expenditure has been incurred during the quarter, make entry of the amount opposite its proper heading, or in a supplemental entry if necessary. The entries under summary of expenditures will include all money charges of whatever nature made against the Medical Department, whether for articles received, personal service, repairs, or anything for which money is paid, except the regular monthly pay of attendants and employés.

The cost of outfit will be included in the first quarterly report made after the vessel goes in commission, and will be considered as part of the expenditure for that quarter. The apparent disproportionate ratio of cost will be adjusted at the Bureau.

Form L—Request for Medical Survey.

Single copy to be forwarded to commanding officer who orders survey. To be retained and filed with miscellaneous records at place where survey is held.

This form will replace Form No. 37, *Navy Regulations*, 1876. *Form No.* 36, *Navy Regulations, is discontinued.*

Form M—Report of Medical Survey.

Duplicate copies always to be forwarded to Bureau of Medicine and Surgery. In cases of survey of officers a triplicate copy made for Office of Detail. In cases of marines, a triplicate copy made for commandant of Marine Corps. All of the copies to be forwarded to officer ordering survey, who will make the distribution. When surveys of men are held at hospitals, the vessels from which received will be noted.

This form will replace Form No. 32, *Navy Regulations*, 1876.

Form N—Certificate of Death.

To be forwarded to Bureau of Medicine and Surgery in duplicate. Origin of disease or disability causing death always to be noted, with reasons for conclusion as to duty, or not duty. This certificate, with indorsement as to origin, will replace Forms 30 and 31, Navy Regulations, 1876.

Form O—Declaration for Navy Invalid Pension.

This form is printed for the information of medical officers, but it relates to the Pension Office.

Form P—Special Diet List.

To be used at hospitals. This list shall be prepared each morning by the medical officer in charge of the ward. When there are two or more medical officers in charge of patients they can use the same blank, in each case filling in the blank opposite the names of the patients under their charge. They will endeavor, as far as possible, to secure uniformity in the orders for the day, so as to avoid unnecessary cooking. This special diet list shall always be filled by the medical officers, and never by the nurses. It will include the dinner and supper of the day when made out, and the breakfast of the following day.

[illegible] the case of an officer, triplicate copy to be sent to Bureau of Navigation.

Form Q—Record of Temperature, etc.

To be kept in connection with records of illness when in the judgment of the medical officer the case is of a character to require it. In hospitals to be filed with case-paper. From vessels and stations to be forwarded to Bureau, with quarterly report of sick, embracing completed case. It will be retained at Bureau to be filed in Journal when completed and forwarded to Bureau.

Form R—Pay-Roll.

Single copy to be forwarded to the Bureau each month from all hospitals and stations where there are employés paid by Medical Department.

Form S—Ration Notice, Admission.

Single copy to be forwarded from hospitals to commanding officer of receiving ship, or commanding marine officer of barracks, on admission of patient.

Form T—Ration Notice, Discharge.

Single copy to be forwarded, as above, on discharge of patient.

Form X—Abstract of Enlistments.

To be kept wherever men are examined for enlistment. Medical officers whose initials appear opposite names of persons examined will sign the abstract. One copy sent to Bureau at end of each quarter from rendezvous and receiving ships; From all other places and vessels on January 1st of each year. Forwarded to Bureau in pasteboard tube or rolled over firm center.

Requisition Form 1.

Personal service Requisition.—For use at hospitals and stations where personal service is required. This, as well as all other requisitions, must be forwarded to the Bureau in quadruplicate. The regulations of the Treasury Department require that a copy of the requisition shall be attached to each copy of the corresponding voucher. Three copies are retained at the Bureau to be attached to the voucher when forwarded. The quadruplicate is returned to

the medical officer who makes the requisition, in order that he may know whether it has been approved in whole or in part and by whom the articles will be furnished. The quadruplicate must be retained on the files of the office for future reference.

Requisitions are to be numbered in annual series, commencing with No. 1 in January of each year.

Personal service requisition must not be used when new material is to be supplied.

If it should not be necessary to forward an explanatory letter with the requisition, the name of the person recommended to perform the service should be attached to the requisition on a memorandum slip.

Requisition Form 2.

Requisition for Repairs.—For use at naval hospitals and Naval Laboratory, in repairs of buildings, roads, wharves, sidewalks, fences, gardens, farms, and cemeteries, to be forwarded with proposals, in duplicate, from at least two responsible parties to do the work mentioned. The proposals shall be uniform and worded as the requisition. The column "estimated cost" will be filled at the Bureau after acceptance of proposal.

The regulations of the Treasury Department require that one copy of each proposal shall be attached to the "first" of the corresponding voucher. The duplicate is for the files of the Bureau. The proposals will be carefully prepared on paper suitable to be attached to a voucher.

Requisition Form 3.

Open-Purchase Requisition.—For use at hospitals and stations. This requisition is to be used for all articles not on the allowance table, or such as cannot properly be classed under the head of "additional articles" under the head of medicines. The column "estimated cost" need not be filled. If proposals accompany the requisition the column will be filled at the Bureau. In case the articles asked for are such as require selection, the medical officer may forward with the requisition, proposals in duplicate, from at least two responsible dealers, and the Bureau will determine whether to accept one of the proposals, to direct the purchase by the Purchasing Paymaster at the station, or to contract for their delivery.

This requisition may also be used by receiving ships or vessels in the United States for special articles other than medicines.

Requisition Form 4.

Special requisition for supplies exempt by law from advertisement.—The only articles exempt by law from advertisement are medicines. All other articles must be obtained by contract after advertisement for four weeks for proposals, unless the public exigency should require the immediate delivery of the articles asked for. The existence of the exigency is determined by the Chief of the Bureau.

Requisition Form 4 can be used for all articles on the allowance table, and additional articles under the head of medicines.

Vaccine will be asked for by letter only. It will be forwarded by dealer with bill in duplicate. The receipt of the medical officer will be written on the face of original of dealer's bill, which will be forwarded to Bureau to be paid quarterly. The duplicate of dealer's bill to be retained for the files of the hospital, vessel, or station.

Bill Form 1.

Contract voucher.—All bills to be forwarded to Bureau in triplicate, marked—triplicate first, second, third.

Bill Form 1 to be used in payment of all bills incurred on account of contracts. Where this voucher is used at hospitals the certificate of examination will be signed by the medical officer or officers who inspect the articles delivered. The certificate of receipt will be signed by the medical officer in charge.

All of the articles included in the "Proposal for supplies to hospitals," with the exception of articles in class seven, can be embraced in one voucher, as all such articles are paid for from naval hospital fund. A separate voucher, in triplicate, must be prepared for articles in class seven, these articles being paid for from contingent.

It is not allowable, under any circumstances, to include on a contract voucher any articles except those specified in the contract.

Before these vouchers are forwarded to the Bureau, medical officers will personally compare the vouchers with the copy of the contract on file to assure themselves that the articles, prices, and footings are correctly entered.

Bill Form 2.

Special exigency voucher.—This voucher, in connection with Bill Form 3, was especially prepared by the Second Comptroller of the Treasury Department for use in the Bureau of Medicine and Surgery, in recognition of the fact that in the preservation of hospitals and care of the sick special exigencies might arise.

This voucher is only to be used at hospitals and shore stations in cases of sudden emergency (such as broken water, steam, or gas pipes, falling walls or ceilings, broken heating or cooking apparatus, &c.), in which case the work is to be done immediately. The medical officer in charge will ascertain the cost of the work from the person employed, and will enter the amount and name of workman on the exigency certificate, which he will then sign. After the work is completed he will sign the certificate of correctness and performance of work and forward voucher to Bureau.

The circumstances requiring the performance of the work will be briefly noted in red ink across the face of the voucher and signed by the senior medical officer.

Bill Form 3.

Special exigency voucher.—This voucher is to be used at hospitals or shore stations where articles for the care or welfare of the sick are immediately necessary. It is never to be used if time will allow the procurement of approved requisition. Entries on the voucher are to be made as directed on Bill Form 2.

Bill Form 4.

Voucher for repairs.—To be used at Naval Laboratory and naval hospitals for repairs to buildings and appendages, including roads, wharves, outhouses, sidewalks, fences, gardens, farms, and cemeteries, and for no other purposes. The phraseology used on the requisition for repairs is to be copied on the voucher when it is prepared. The senior medical officer will sign the certificate of inspection and approval.

Bill Form 5.

Open-purchase voucher.—This voucher is to be used at hospitals and stations and on board vessels in the United States when the

articles embraced in it have been obtained by order of the Bureau on open-purchase requisition. It is to be used for articles obtained other than by contract or special exigency, or medicines, which are exempt by law from advertisement.

When the articles embraced in it have been purchased by Bureau's order direct to the person in whose favor the voucher is drawn, the certificate of purchase will be filled and signed at the Bureau. When it is indicated by the requisition that the articles are to be purchased by the Purchasing Paymaster, the senior medical officer will make out the voucher and forward it to the Purchasing Paymaster for certificate of purchase before transmitting it to Bureau for approval.

Bill Form 6.

Personal service voucher.—To be used at hospitals and shore stations where personal service is required. Whenever it is impracticable to obtain an approved requisition before the performance of the service, a concise statement of the exigency is to be indorsed in red ink on the face of the voucher, and signed by the senior medical officer, and the reasonableness of the charges certified to by the Purchasing Paymaster.

Bill Form 7.

Open-purchase voucher for supplies exempt by law from advertisement.—This voucher is only to be used for articles used as medicines, which are exempt by law from advertisement. The certificate of purchase will be filled at the Bureau. The certificates of examination and receipt will be filled and signed by the medical officer who examined and received the articles.

Form A.—Medical outfit.

[Duplicate.]

Medical outfit of U. S. S. ——— ———,

at ——— ———, 18—.

[Signature of Medical Officer.]

Articles.	Quantity.	Price.	Articles.	Quantity.	Price.
[Names in order of Supply table.]					

Received from ——— ——— all the articles to which quantities are affixed; the whole being of good quality and properly packed, unless otherwise noted with red ink.

[Signature of Medical Officer.]

U. S. S. ———,

at ———, 18—.

Form B.—Requisition.

[Quadruplicate.]

U. S. ——— ———, 18—.

SIR: The following articles are required in the Medical Department of this ———.

Respectfully,

[Signature of Medical Officer.]

To ——— ———,

———.

Articles.	On hand.	Quantity required.	Allowance.	Articles.	On hand.	Quantity required.	Allowance.
				Approved:			

U. S. ——— ———, 18—.

Received from ——— the above articles, excepting those marked P, of good quality.

[Signature of Medical Officer.]

Form D.—Inventory of Property.

In the Medical Department of U. S. ——— ———, for the ———, commencing ———, 18—, and ending ———, 18—.

[Signature of Medical Officer.]

Articles.	On hand at last return or outfit.	Received since.	Expended.	On hand.	Articles.	On hand at last return or outfit.	Received since.	Expended.	On hand.

[When transfers of property are made, the column "on hand" to be filled up, and the receipt appended here.]

Form E.—General Register of Patients.

No of Case-paper.	Name.	Rate.	Age.	Place of birth.	Disease or injury.	Where from.	Date of admission.	Date of discharge.	Final disposition.	No. of days sick.	Remarks.

Form F².—Model for Annual Abstract of Patients. U. S. ——.

Number.	Name.	Rate.	Age.	Place of birth.	Disease or injury.
1	Adams, James Edward.	O. S	21	Easton, Pa.....	Asphyxia (immers.)
2	Ackley, William Henry.	Sea	45	Bath, Me	Syphilis, prim.
3	Adamson, Henry..	Lands	25	Philadelphia, Pa	Epilepsia.
4	Bolton, Thomas Gray.	Qr. Mr....	39	New York, N.Y.	Contusio.
5	Ball, John Thomas	Pr. Mar ..	30	Baltimore, Md..	Cholera commun.
6	Cohen, Frederic...	Captain foretop.	28	Berlin, Prussia .	Fractura femoris.
8	Dalton, Edward Lay.	Boatswain mate.	45	Perth, Scotland .	Febris intermittens
9	Dunn, Theodore...	Lieutenant	29	Chicago, Ill.....	Bronchitis acuta.

Number.	Date of admission.	Date of discharge.	Final disposition.	Origin.	Remarks.
	1873.	1873.			
1	Mar. 1	Mar. 1	Died.....	Duty	Drowned coming alongsi of ship.
2	Feb. 8	Feb. 23	Hospital, N Y.	Not duty ...	Surveyed and recommend to be sent to hospital.
3	Mar. 10	Mar. 12	To duty	Not duty ...	Existed prior to enlistmer
4	Mar. 16	Mar. 26	To duty	Duty	Received while exercisi at great gun.
5	Jan. 6	Jan. 10	To duty	Not duty ...	From imprudences in di while ashore.
6	Apr. 17	.....	Continued	Duty	Fell from aloft while work.
8	Jan. 20	Jan. 28	To duty	Duty	From climatic influences
9	Mar. 27	.....	Continued	Duty	From exposure.

——— ———
Surgeon, U.S.N

Form G.—Hospital Ticket.

U. S. ———, ———, 18—.

To the Medical Officer in charge of the Naval Hospital at ———:

SIR: The following patient, with his effects, is hereby transferred to your charge:

Name (in full) and grade: ——— ———.

Native of ———; age, ——— years.

Shipped at ———, ———, 18—.

Disease (from nomenclature): ———.

Time and place of occurrence, or dates between which there was continuous exposure to morbific cause: ———, ———, 18—.

Origin: There is ——— evidence that it was in line of duty, the facts being as follows, viz:

———————————————————————————————

———————————————————————————————

———————————————————————————————

Respectfully,

——— ———,
U. S. N.

Approved:

——— ———,
Commanding.

Approved:

——— ———,
Commandant.

Descriptive List.

U. S. ——, ——, 18—.

Name: —— ——; rate: ——.
Born —— —, 18—, at ——.
Complexion: ——; hair: ——; eyes: ——.
Other personal characteristics: (permanent marks, scars, &c.)
Name and address of nearest relative or friend: ——.
Former occupation: ——.
Family history: ——.
When and where last examined: —— ——.

Age.		Weight.	Height.	Thorax.		Vision (Snellin).	State of health since enlistment.
			Vertex to ground.	Mean circumference.	Expansion.		
Years.	*Mos.*	*Pounds.*	*Inches.*	*Inches.*	*Inches.*		

——, ——,
U. S. N.

List of Clothing, &c.

	Hammock.	Blankets.	Sheets.	Mattress.	Bags.	Chests.	Coats.	Jackets.	Waistcoats.	Trowsers.	Drawers.	Frocks.	Shirts.	Shirts, flannel.	Stockings.	Boots and shoes.	Handkerchiefs.	Hats.	Caps.	Stocks.	Gaiters.	Cash.	Watch.	Books.	Knapsacks.	Muskets.
No.....																										

The above articles have been returned to me.

——— ———.

Witness:

——— ———.

———

Form H.—Case-paper.

NAVAL HOSPITAL, ———, 18—.

Case-paper No. ——.

Name: ———.

Grade: ———.

Native of ———; age, ———.

Shipped at ———, 18—.

Admitted from U. S. ——— at — M., 18—.

Discharged ———, 18—.

Diagnosis by hospital ticket, signed—

[Name and rank of Medical Officer.]

Form I.—Weekly Report of Sick.

REPORT OF SICK in the U. S. Naval Hospital, ———, for the week ending ———, 188—.

[Signature of Medical Officer.]

Remaining at last report.....	....	Deserted	....
Admitted during the past week..	....	Died	....
Number of vacant beds	....	Remaining	....
Discharged	....		

Name.	Grade or rate.	When admitted.	Where from.	Disease.	Number of days in hospital.	Present condition or final disposition.

Form J.—Morning Report of Sick.

U. S. S. ——— ———, (——Rate).
LAT. ——, LONG. ——,
January 20, 1873.

——— ———, *Commanding:*

Name.	Grade.	Disease.	Remarks.
Henry Ashton...	Ordinary seaman...	Pleurisy.....	Better.
John Brown	First-class boy	[Given name in common use.]	Discharged.
Henry Davis.....	Landsman.....	.....	Admitted.
William Cullen ..	Coal-heaver	.....	Admitted.
Philip Bunce	Fireman.....	.....	Admitted.

Admitted..... 3
Discharged..... 1

Remaining ... 4

Respectfully,

[Signature of Medical Officer.]

Binnacle List.

(In manuscript.)

Henry Ashton, ordinary seaman.
Henry Davis, landsman.
William Cullen, coal-heaver.
Philip Bunce, fireman.

(Other names may be added in the course of the day.)

[Signature of Medical Officer.]

Form K.

Report of Sick *for the* ——— *quarter*, 188–, *for the U. S. S.* ——— *at* ———.

———, *U. S. N.*

(Desertions to be returned under the head of Discharged to Duty.)

Diseases.	Remaining from last quarter.	Admitted.	Discharged to duty.	Invalided.		Died.	Continued to next quarter.	No. of sick days.	Diseases.	Remaining from last quarter.	Admitted.	Discharged to duty.	Invalided.		Died.	Continued to next quarter.	No. of sick days.
				To hospital.	From service.								To hospital.	From service.			
Carried up.									Total								

Average ship's company, ———. Total sick days, ———. Daily average of patients, ———.

SUMMARY.

Expenditures.	Dollars.	Cents.	Attendants, &c. (This column for hospitals only.)	Daily average number of	Total number of rations.
Freight and tolls			Apothecary		
Fuel			Carpenter		
Groceries			Cooks		
Instruments			Engineers		
Lights			Firemen		
Medicines			Gardener		
Provisions			Laborers		
Repairs			Laundresses		
Stationery			Matron		
Washing			Messenger		
Water-rent			Nurses		
Incidental			Patients		
			Porters		
			Stewards		
			Watchmen		
			Supernumeraries		
Total			Total		

Form L.—Request for Medical Survey.

U. S. ——— ———,
———, 18—.

To ——— ———,
Commanding U. S. ——— ———:

SIR: I have to recommend medical survey of—

Name.	Grade.	Disease, &c.

[This application and order are to be rendered in manuscript, and may include any number of names.]

Respectfully,

[Signature of Medical Officer.]

———

U. S. ——— ———,
———, 18—.

To ——— ———,
——— ———,
——— ———,

GENTLEMEN: You will hold survey as recommended above, and make separate reports, in duplicate, of each case, in strict accordance with prescribed form; and you will particularly state all facts you may be able to elicit in regard to origin of disability, even when you do not find it to be in line of duty.

Respectfully,

——— ———,
Commanding U. S. ——— ———.

Form N.—Certificate of Death.

[In duplicate.]

I hereby certify that ——— ———, who was a ——— in the United States Navy, while attached to the (*a*) ——— ———, and holding the rank above mentioned, departed this life (*b*) ——— on the ——— day of ———, in the year 18—, and that he died of (*c*) ——— as set forth in the record of his case, as follows:*

There is ——— evidence that the disease (or disability) causing death was in line of duty, the facts being as follows:

——— ———, *U. S. N.*

———

The above-named ——— ———, deceased, was born at ———, in the State of ———; about ——— years of age; ——— feet ——— inches high; ——— complexion; ——— eyes; ——— hair; and entered the United States naval service at ——— on the ——— day of ———, in the year 18—.

——— ———,
Paymaster.

Approved:

——— ———,
Commanding U. S.

(*a*) If at a navy-yard, ship, or hospital, insert name and place.
(*b*) The same.
(*c*) Wound, casualty, or disease, as the case may be.
* Details of medical treatment not required.

[illegible] Declaration for Original Pension.

[illegible] ——— County of ——— [illegible] eighteen hundred [illegible] ———, a ——— [illegible] the county and State [illegible] sworn according to law, [illegible] is the identical ——— [illegible] —, in the naval service [illegible] day of ———, in the [illegible] the Navy, and whether [illegible] and under what name] in [illegible] discharged on the ——— day [illegible] his personal description is as [illegible] complexion ———, hair ———, [illegible] aforesaid, and in the line of [illegible] wounds (or disability, as the [illegible] therefor in the following-[illegible] hospital:

[illegible] account of the wound or other injury, and [illegible] and his present physical condition; [illegible] leaving the service, and what has been [illegible]

[illegible] ——— his attorney to prosecute [illegible] received or applied for pension; [illegible] No. —, in ——— street, in the ——— [illegible] and State of ———; and his post-[illegible]

[Claimant's signature.]

[illegible] appeared ——— ———, residing at No. —, [illegible] ———, residing at No. —, in ——— [illegible] whom I certify to be respectable and en-[illegible] who, being by me duly sworn, say: They [illegible] —, the claimant, sign his name (or make [illegible] foregoing declaration; that they have every rea-[illegible] from the appearance of said claimant and their [illegible] with him, that he is the identical person he repre-[illegible] and that they have no interest in the prose-[illegible] claim.

[Signatures of witnesses.]

[illegible] and subscribed before me, this ——— day of ———, [illegible] and I hereby certify that the contents of the above [illegible] were fully made known and explained to the [illegible] and witnesses before swearing, including the words [illegible], and the words ——— added; and that I have no in-[illegible] indirect, in the prosecution of this claim.

[Official signature.]

[illegible] administering the jurat should sign in his own name.]

Form P.—Special Diet List.

	Articles.	Quantities.	Names.																	Total.
BREAKFAST.	Bread ..... oz.	6																		
	Butter.....oz.	1																		
	Coffee .....pt.	1																		
	Tea ... .pt.	1																		
	Toast, dry.....oz.	4																		
	Toast, milk ..... oz	6																		
	Eggs, boiled .....No	1																		
	Eggs, poached ...No.	1																		
	Milk.....oz.	12																		
	Beefsteak .....oz.	6																		
	Ham.....oz.	4																		
	Oatmeal .....oz.	4																		
	Beef tea .....oz.	8																		
DINNER.	Bread ..... oz.	4																		
	Chicken, stewed ..oz.	6																		
	Chicken broth ....pt	1																		
	Mutton chops ....oz.	6																		
	Mutton broth.....pt.	1																		
	Milk.....oz.	12																		
	Oysters, stewed..gill.	1																		
	Beef-tea .....pt	1																		
	Rice, boiled .....oz.	1																		
	Farina pudding ..oz.	4																		
	Corn-starch .....oz.	4																		
	Beefsteak .....oz.	6																		
	Mashed potatoes..oz.	6																		
	Vegetables .....oz.	6																		
SUPPER.	Tea..... .....pt.	1																		
	Butter.....oz.	1																		
	Bread .....oz.	4																		
	Toast, dry.....oz	4																		
	Milk .....oz.	12																		
	Eggs .....No.	1																		
	Beef-tea .....oz.	8																		
	Milk toast.....oz	6																		

_____ _____,
U. S. N.

Form R.—Pay-Roll

Of persons employed at the U. S. Naval Station at ——, under the Bureau of Medicine and Surgery, during the month of ——, 188–.

No.	Names.	Where employed.	Occupation.	Whole number of days' work.	Rate of pay per day.	Aggregate amount of pay.	Amount due and paid.	We acknowledge to have received of —— —— the several sums opposite to each of our names, in full for work done at the Naval Station, ——, for the month of ——, 188–.	Witness to signature.	Remarks.
					Dolls. Cts.	Dolls. Cts.	Dolls. Cts.			

Certified as correct.

[Signature of medical officer, navy-yard.]

[Signature of medical officer, naval hospital.]

Form Q.—RECORD OF TEMPERATURE.

Name. .... Rate, &c.

Day of Month.								
Day of Disease.								
Temperature.	A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.	*midnight* A.M. *noon* P.M.
105° 8 6 4 2								
104° 8 6 4 2								
103° 8 6 4 2								
102° 8 6 4 2								
101° 8 6 4 2								
100° 8 6 4 2								
99° 8 6 4 2								
98° *normal* 8 6 4 2								
97° 8 6 4 2								
96° 8 6 4 2								
95° 8 6 4 2								
Pulse. *per minute.*								
Respirations *per minute.*								
Urine. *Oz. in 24 hrs.*								
Urine. *Reaction.*								
Urine. *Sp. Gr.*								
Urine. *Color.*								
Urine. *Clearness.*								
Urine. *Urea. amt.*								
Urine. *Sugar.*								
Urine. *Albumen.*								
Urine. *Solids.*								
Urine. *Microscopic Sediment.*								
Fæces. *Number.*								
Fæces. *Character.*								

When four daily observations of temperature are made, as should be done in serious cases, mark these at noon and midnight on the lines, the others in the spaces between.

....

Signature of Medical Officer.

Form S.—Ration Notice.

[Paymaster's notification.—Admission.]

U. S. N. HOSPITAL, ———, ———, 188–.

To Com'd'g Officer U. S. R. S., ——— ———:

SIR: The following-named men have been this day admitted into the hospital, and they will be rationed by the Medical Department from ——— ———, inclusive.

Very respectfully,

———, ——— *in charge of Hospital.*

Name.	Rate.	Admitted from—

Form T.—Ration Notice.

[Paymaster's notification.—Discharge.]

U. S. N. HOSPITAL, ———, ——, 188–.

To Com'd'g Officer U. S. R. S., ——— ———:

SIR: The following-named men have been this day discharged from the hospital, and the issue of their rations by the Medical Department will cease from ———, inclusive.

Very respectfully,

———, ——— *in charge of Hospital.*

Name.	Rate.	How discharged.	Days subsisted.

Form X.—Abstract of Persons

Examined for the naval service at ——— ——— *during the* ——— *ending* ——— ———, 188–.

Date of examination.	Name in full. (Surname underlined.) Arranged alphabetically.	Rate.	Date of birth.	Place of birth.	Complexion.	Hair.	Eyes.	Color perception (good or bad).	Vision (in 20ths). "Snellen."	Age.		Weight.	Height in inches.	Chest.		When and where last examined.	Personal peculiarities, former illness, &c., or causes of rejection.	Accepted (yes or no).	Initials of medical examiner.
										Years.	Months.		Vertex to ground.	Mean circumference.	Expansion.				

We certify that we have carefully examined, agreeably to the Regulations of the Navy, the several recruits against whose names our respective initials appear, and find that, in our opinion, those accepted are free from all bodily defects and mental infirmity which would, in any way, disqualify them from performing the duties for which they are intended.

———, ———,

Examining surgeons.

Req. Form 1.—Personal Service Requisition.

No. —.] U. S. ——— ———, 188–.

To ——— ———:

The following-named personal service is required at ———.

Kind of service required.	Estimated cost.
	$

Very respectfully,

——— ———, *U. S. N.*

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

The requisition for above-mentioned personal service is approved, to be performed by ——— ———, at a cost not to exceed amount specified.

———,
Chief of Bureau.

Req. Form 2.—Requisition for Repairs.

No. —.] U. S. ——— ———, 188–.

To ——— ———,
——— ———:

The following-mentioned repairs are immediately necessary at ——— for the preservation of public property:

Kind of repairs necessary.	Estimated cost.
	$

Respectfully submitted.

———,
——— ———, *U. S. N.*

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
———, ———, 188–.

The public exigency requires the immediate performance of the above-mentioned work, and it is ordered that the same be done without advertisement, and the proposition of ——— ——— to perform the same for the sum of $——— is accepted. The work to be done and material furnished subject to inspection and approval of ——— ———.

———,
Chief of Bureau.

Bill Form 1.—Contract Voucher.

[Triplicate.]

U. S. ——— ———, 188–.

Navy Department, Bureau of Medicine and Surgery, to ——— ———, *Dr.*

For use at the U. S. ——— ———.

Appropriation: ———.

Articles.	Cost.		Articles.	Cost.	
	$		Bro't forward,	$	

Having fully examined the articles above charged, — certify that they were of good quality, and in all respects in conformity with written contract of ———, 188–.

——— ———, *U. S. N.*
——— ———, *U. S. N.*

Received the above articles in good order at ———.

——— ———, *U. S. N.*

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ——— U. S. Navy, Navy Pay Office at ———, from the above appropriation.

———,
Chief of Bureau.

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full of the above bill.

——— ———.

Bill Form 3.—Special Exigency Voucher.

[Triplicate.]

U. S. ——— ———, 188–.

Navy Department, Bureau of Medicine and Surgery, to ——— ———, *Dr.*

Appropriation: ———.

Articles furnished.	Amount.		Articles furnished.	Amount.	
	$		Bro't forward,	$	

SIR: The public exigency requires the immediate delivery of the above-mentioned articles, and your proposition to furnish the same for the sum of $——— is accepted.

——— ———, *U. S. N.*

To ——— ———,
——— ———.

I certify that the articles herein charged for have been received, inspected, and accepted; that there was not time for procurement of approved requisition; and that the charges are reasonable and the bill is correct.

——— ———, *U. S. N.*

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ———, U. S. N., Navy Pay Office at ———, from the above appropriation.

——— ———,
Chief of Bureau.

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full of the above bill.
$———.

——— ———.

Bill Form 4.—Voucher for Repairs.

[Triplicate.]

U. S. ——— ———, 188 .

Navy Department, Bureau of Medicine and Surgery, to ——— ———, *Dr.*

For repairs at ———.
Appropriation: ———.

Repairs made.	Amount.		Repairs made.	Amount.	
	$		Bro't forward,	$	

U. S. ——— ———, 188–.

I certify that I have inspected and approved the above-mentioned repairs, which have been satisfactorily performed in accordance with provisions of requisition No. ——.

——— ———,
U. S. N.

———

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ———, U. S. Navy, Navy Pay Office at ———, from the above appropriation.

——— ———,
Chief of Bureau.

———

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full of the above bill.

——— — ———.

$———

Bill Form 5.—Open Purchase Voucher.

[Triplicate.]

U. S. ——— ———, 188–.

Navy Department, Bureau of Medicine and Surgery, to ——— ———, *Dr.*

For use at ———.
Appropriation: ———.

Articles.	Amount.		Articles.	Amount.	
	$		Bro't forward,	$	

U. S. ——— ———, 188–.

I certify that I purchased the above articles at the prices above charged, amounting in all to ——— dollars and ——— cents; that these prices are reasonable, and are the lowest rates at which the articles could be obtained.

———,
U. S. N.

U. S. ——— ———, 188–.

I certify that I have received, inspected, and accepted the above-mentioned articles, which ——— of good quality.

———,
U. S. N.

———

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ———, U. S. N., Navy Pay Office at ———, from above appropriation.

———,
Chief of Bureau.

———

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full of the above bill.

$———

——— ———.

Bill Form 6.—Personal Service Voucher.

[Triplicate.]

U. S. ——— ———, 188–.

Navy Department, Bureau of Medicine and Surgery, to ——— ——— *Dr.*

Service performed at ———.
Appropriation: ———.

Kind of service.	Amount.		Kind of service.	Amount.	
	$		Bro't forward,	$	

——— ———, 188–.

I certify that the above-mentioned service has been satisfactorily performed, and the charges are reasonable.

———,
U. S. N.

NAVY DEPARTMENT,
BUREAU OF MEDICINE AND SURGERY,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ———, U. S. Navy, Navy Pay Office at ———, from the above appropriation.

———,
Chief of Bureau.

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full for the above bill, $———.

——— ———.

Bill Form 7.—Open Purchase Voucher for Supplies Exempt by Law from Advertisement.

[Triplicate.]

U. S. ——— ———, 188–.

Navy Department, Bureau of Medicine and Surgery, to ——— ———, *Dr.*

Appropriation: ———.

	Amount.			Amount.	
	$		Bro't forward,	$	

I certify that I purchased the above articles at the prices above charged, amounting in all to ——— dollars and ——— cents; that those prices are reasonable, and are the lowest rates at which the articles could be obtained.

——— ———,
——— ———, *U. S. N.*

NAVY YARD (OR U. S. S.), ——— ———,
——— ———, 188–.

Having fully examined the articles above charged — certify that ——— of good quality, and conformable in all respects to the annexed order.

——— ———,
——— ———, *U. S. N.*

Received the above articles in good order at ———, this ——— day of ———, 188–.

——— ———,
——— ———, *U. S. N.*

NAVY DEPARTMENT, BUREAU OF ———,
——— ———, 188–.

Approved in triplicate for ——— dollars and ——— cents, payable by Pay- ——— ———, U. S. N., at ———, from above appropriation.

——— ———,
Chief of Bureau.

Received, ——— ———, 188–, from Pay- ——— ———, U. S. N., ——— dollars and ——— cents, in full of the above bill.

——— ———.

Relative Humidity Table.

Table of the relative humidity given by the difference between the dry and wet bulb.

Temperature of the dry bulb.	Difference between the dry and wet bulb.															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Relative humidity; saturation = 100.															
90	100	95	90	85	81	77	73	69	65	62	59	56	53	50	47	44
89	100	95	90	85	81	77	73	69	65	61	58	55	52	49	46	43
88	100	95	90	85	81	77	73	69	65	61	58	55	52	49	46	43
87	100	95	90	85	81	77	73	69	65	61	58	55	52	49	46	43
86	100	95	90	85	80	76	72	68	64	61	58	55	52	49	46	43
85	100	95	90	85	80	76	72	68	64	61	58	55	52	49	46	43
84	100	95	90	85	80	76	72	68	64	60	57	54	51	48	45	43
83	100	95	90	85	80	76	72	68	64	60	57	54	51	48	45	42
82	100	95	90	85	80	76	72	68	64	60	57	54	51	48	45	42
81	100	95	90	85	80	76	72	68	64	60	56	53	50	47	44	41
80	100	95	90	85	80	75	71	67	63	59	56	53	50	47	44	41
79	100	95	90	85	80	75	71	67	63	59	56	53	50	47	44	41
78	100	94	89	84	79	75	71	67	63	59	56	53	50	47	44	41
77	100	94	89	84	79	75	71	67	63	59	56	53	50	47	44	41
76	100	94	89	84	79	75	71	67	63	59	55	52	49	46	43	40
75	100	94	89	84	79	74	70	66	62	58	55	52	49	46	43	40
74	100	94	89	84	79	74	70	66	62	58	55	52	48	45	43	40
73	100	94	89	84	79	74	70	66	62	58	54	51	48	45	42	40
72	100	94	89	84	79	74	69	65	61	57	54	51	48	45	42	39
71	100	94	88	83	78	73	69	65	61	57	53	50	47	44	41	38
70	100	94	88	83	78	73	69	65	61	57	53	50	47	44	41	38
69	100	94	88	83	78	73	68	64	60	56	53	50	47	44	41	48
68	100	94	88	83	78	73	68	64	60	56	52	49	46	43	40	37
67	100	94	88	83	78	73	68	64	60	56	52	49	46	43	40	37
66	100	94	88	83	78	73	68	64	60	56	52	48	45	42	40	37

65	100	94	88	83	78	73	68	63	59	55	51	48	45	42	39	36
64	100	94	88	82	77	72	67	63	59	55	51	48	44	52	39	36
63	100	94	88	82	77	72	67	63	59	55	51	47	44	41	38	35
62	100	94	88	82	77	72	67	62	58	55	50	47	44	41	38	35
61	100	94	88	82	77	72	67	62	58	54	50	47	44	41	38	35
60	100	94	88	82	76	71	66	62	58	54	50	46	43	40	37	34
59	100	94	88	82	76	71	66	61	57	53	49	46	43	40	37	34
58	100	93	87	81	76	71	66	61	57	53	49	46	43	40	37	34
57	100	93	87	81	75	70	65	61	57	53	49	45	42	59	36	33
56	100	93	87	81	75	70	65	60	56	52	48	44	41	38	35	32
55	100	93	87	81	75	70	65	60	56	52	48	44	41	38	35	32
54	100	93	86	80	74	69	64	59	55	51	47	43	40	37	34	31
53	100	93	86	80	74	69	64	59	55	51	47	43	39	36	33	30
52	100	93	86	80	74	69	64	59	54	50	46	42	39	36	33	30
51	100	93	86	80	74	68	63	58	54	50	46	42	36	35	32	29
50	100	93	86	80	74	68	63	58	54	49	45	41	37	34	31	29
49	100	93	86	79	73	67	62	57	53	49	45	41	37	34	31	28
48	100	93	86	79	73	67	62	57	52	48	44	40	36	33	30	....
47	100	93	86	79	73	67	61	56	51	47	43	39	26	33	30	....
46	100	93	86	79	73	67	61	56	51	47	43	39	35	32	29	....
45	100	92	85	78	72	66	60	55	50	46	42	38	34	31	28	....
44	100	92	84	78	71	65	59	54	49	45	41	37	34	31	28	....
43	100	92	84	78	71	65	59	54	49	45	41	37	34	31	28	....
42	100	92	84	78	71	66	60	54	49	44	40	36	43	30	27	....
41	100	92	84	77	70	64	58	53	48	43	39	35	41	28	....	....
40	100	92	84	77	69	63	57	51	46	42	38	33	31	....	....	....
39	100	92	84	77	69	63	57	52	47	42	38	34	....	....	....	....
38	100	91	83	75	68	62	56	50	45	41	37	....	....	....	....	....
37	100	91	83	75	68	61	55	49	44	39	....	....	....	....	....	....
36	100	91	82	74	66	59	53	47	42	....	....	....	....	....	....	....
35	100	90	80	72	....	....	....	....	....	....	....	....	....	....	....	....
34	100	89	79	72	....	....	....	....	....	....	....	....	....	....	....	....
33	100	80	78	70	....	....	....	....	....	....	....	....	....	....	....	....
32	100	87	75	....	....	....	....	....	....	....	....	....	....	....	....	....

Instructions for Atmospheric Observations.

For ascertaining the amount of carbonic acid in the air the following apparatus is supplied:

Two glass jars, cubic capacity marked in cubic centimeters.
India-rubber stoppers, and sheet India rubber to tie over neck of jars.
Glass measure graduated to 60 c. c.
One Mohr's burette, 60 c. c. graduated into tenths.
Glass rods.
Glass bottle of one liter capacity.
Bottle containing papers of crystalized oxalic acid of 2.25 grams each.
Bottle containing litmus or tumeric paper.
A small bellows, or, in its absence, a Davidson's syringe may be used.
Lime-water and distilled water.

Directions: Pettenkofer's method is to be followed. For those not familiar with it the following process, extracted from Wilson's Hand-Book of Hygiene, is recommended:

The analysis depends on the relative alkalinity of lime-water before and after it has absorbed the carbonic acid in the sample of air examined. 2.25 grams of crystallized oxalic acid are dissolved in 1 liter of distilled water; 1 c. c. of this solution exactly neutralizes 1 milligram of lime, and hence the amount of lime in a given quantity of lime-water can be determined by adding the solution of oxalic acid until the point of neutralization is reached. The amount of oxalic acid required for neutralization expresses the alkalinity of the lime-water. If the alkalinity of the lime-water be known before and after it has absorbed the carbonic acid in the air contained in the glass jar, the difference will give the amount of lime in milligrams which has united with the carbonic acid, and the amount of the latter is obtained by calculating according to the atomic weights.

The jar should be perfectly clean and dry. The air to be examined is forced into the jar by a pair of bellows, or a bellows-pump may be used. In either case the nozzle should reach the bottom of the jar.

After the jar has been filled, 60 c. c. of lime-water are introduced, the mouth of the jar closed by the stopper, and the stopper secured by a tightly-fitting India-rubber cap. The jar is then well shaken so that the lime-water is made to thoroughly wash the contained air, and afterward is left to stand at least eight hours and not more than twenty-four; 60 c. c. are introduced in order that 30 may be taken out for analysis.

Thirty cubic centimeters of lime-water are poured into the graduated glass and its alkalinity determined by the test solution. Then 30 c. c. are taken from the jar and the alkalinity also determined. The difference is doubled to account for the 30 c. c. left in the jar, and the product gives the amount of lime which has combined with the carbonic acid. The amount of the latter is obtained by converting weight into volume according to the atomic weights, and in one sum by the factor .4205.

The following rule will simplify the calculation: Multiply the difference between the alkalinity of the lime-water before and after it has been placed in the jar by .841 and divide this sum by the number of cubic centimeters in the jar, minus 60. The result will be the ratio of carbonic acid per 1,000 volumes.

A correction must be made for temperature as it is above or below the standard of 62° Fahrenheit. As the coefficient of expansion of air is .0020361 for every degree of Fahrenheit, the rule for correction may be stated with sufficient accuracy thus: For every 5° Fahrenheit above 62° add 1 per cent. to the amount of carbonic acid calculated as above, and deduct the same percentage for every 5° below 62°.

The formula for the correction for pressure is as follows:

30 : observed height of bar : : capacity : z.

The result expressed by z is substituted for the actual capacity of the jar in the calculation for carbonic acid.

Supply Table.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
MEDICINES.					
Acaciæ pulvis, 200-gram bottles.....gm.	200	200	400	800	800
Acidum aceticum, 200-c. c. bottles.....c. c.	.....	200	200	400	400
Acidum carbolic. cryst., 100-gram g. s. bot..gm	.....	100	100	200	300
Acidum carbolicum imp., 500-c. c. bottles ..c. c.	500	1,000	2,000	4,000	5,000
Acidum citricum, 200-gram bottles.....gm.	.....	200	200	400	400
Acidum muriaticum, 100-c. c. g. s. bottles...c. c	.....	100	100	100	100
Acidum nitricum, 100-c. c. g. s. bottles.....c c.	.....	100	100	200	400
Acid salicylicum, pulv., 100-gram bottles...gm.	.....	200	300	400	600
Acidum salicylicum, 0.3-gram pil.....No.	100	200	400	600	800
Acidum sulphuricum, 100-c. c. g. s. bottles..c. c.	.....	100	100	100	200
Acidum sulphur. aromat., 100-c. c. g. s. bot..c. c.	.....	100	100	200	400
Acidum sulphur. imp., 500-c. c. g. s. bottles..c. c.	..	2,000	4,000	6,000	8,000
Acidum tannicum, 25-gram bottles.....gm.	25	50	100	100	150
Acidum tartaricum, 200-gram bottles.....gm	200	200	400	800	1,600
Aconiti radicis ext. fluid, 50-c. c. bottles ....c. c.	.....	50	50	100	150
Æther, 200-cc. tins .....c. c.	200	400	1,600	2,000	3,000
Ætheris spiritus comp., 100-c. c. g. s. bot....c. c.	.....	100	200	200	400
Ætheris spiritus nitros., 200-c. c. g. s. bot ...c. c.	200	200	400	1,000	1,600
Alcohol, 500-c. c. bottles .....c. c	500	2,000	4,000	6,000	8,000
Alumen, 200-gram bottles .....gm.	.....	200	200	400	800
Ammoniæ aqua, 200-c. c. g. s. bottles.....c. c	200	400	800	1,400	1,800
Ammonii carbonas, 100-gram bottles .....gm.	.....	100	200	400	400
Ammonii chloridum, 200-gram bottles .....gm	.....	200	200	400	600
Ammoniæ spirit. arom., 100-c. c. g. s. bottles .c. c.	100	100	200	300	400
Antimonii et potass. tart., 25-gram bottles..gm.	.....	25	25	25	25
Argenti nitras, 25-gram bottles .....gm.	.....	.....	25	25	25
Argenti nitras fusa, 25-gram bottles .....gm.	25	25	50	50	75
Atropiæ sulphas, 5-gram bottles .....gm	.....	5	5	5	5
Atropiæ sulphas, 0.001-gram pills .....No.	.....	100	100	200	200
Belladon. ext. alc., 25-gram jars.....gm.	.....	25	25	25	25
Belladon. ext. fl., 100-c. c. bottles.....c. c.	.....	100	100	200	200
Bismuth. subcarb., 25-gram bottles .....gm.	....	50	50	100	150
Buchu ext. fluid., 200-c. c. bottles.....c. c.		200	400	400	600
Camphora, 100-gram bottles .....gm.	100	100	200	400	400
Cannabis indic. ext., 0.03-gram pills .....No.	.....	.....	100	200	300
Cantharidis tinct., 50-c. c. bottles.....c. c	.....	50	50	100	150
Capsici. ext. fluid., 100-c. c. bottles.....c. c.	100	100	200	400	400
Chloral hydras, 25-gram bottles .....gm	.....	50	100	150	150
Chloroformum imp., 500-c. c. bottles .....c. c	.....	500	1,000	1,500	1,500
Chloroformum purificat., 200-c. c. g. s. bot...c. c.	400	400	600	1,000	1,000
Cinchonæ ext. fluid. comp., 200-c. c. bottles..c. c	.....	200	400	800	1,000
Cinnamoni oleum, 25-c. c. bottles .....c. c	.....	25	25	25	25
Colchici sem. ext. fluid, 100-c. c. bottles.....c. c	.....	100	200	300	300

Supply Table—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
MEDICINES—Continued.					
Collodium, 50-c. c. bottles ..... c. c	50	50	50	100	150
Collodium cum cantharide, 50-c. c. bottles .. c. c	50	50	100	100	150
Colocynth, ext. comp., 25-gram jar ..... gm	25	50	75	100	125
Copaiba, 500-c. c. bottles ..... c. c.	500	500	1,500	2,000	3,000
Cosmoline, 500-gram jars ..... gm	1,000	1,500	2,500	4,000	5,000
Creta præparata, 200-gram bottles ..... gm	200	200	400	600	800
Cubebæ oleo-resina, 100-c. c. bottles ..... c. c	.....	100	100	100	200
Cupri sulphas, 50-gram bottles ..... gm	.....	50	50	50	50
Digitalis tinctura, 50-c. c. bottles ..... c. c	.....	50	50	100	150
Ergotæ, ext. fluid., 100-c. c. bottles ..... c. c.	.....	100	100	200	200
Ferri chloridi tinctura, 200-c. c. g. s. bot ..... c. c	200	400	600	800	1,000
Ferri subsulph. liq., 25-c. c. g. s. bottles ..... c. c.	25	25	50	75	100
Ferri sulphas, box ..... kg	.....	10	20	25	40
Filicis oleo-resina, 25-c. c. bottles ..... c. c	.....	25	25	25	25
Gentianæ, ext. fluid. comp., 200-c. c. bot ..... c. c	.....	200	400	800	1,000
Glycerina, 200-c. c. bottles ..... c. c.	.....	400	800	1,200	2,000
Glycyrrhizæ ext. pulv ..... gm	100	200	800	1,600	2,400
Glycyrrhizæ pulvis, 100-gram bottles ..... gm	.....	100	100	200	200
Hydrarg. chlor. corros., 25-gram bottles ..... gm	.....	25	50	75	100
Hydrarg. chlor. mite., 50-gram bottles ..... gm	.....	50	50	100	150
Hydrarg. iodid. viride, 0.01-gram pil ..... No	.....	200	300	400	500
Hydrarg. nitrat. unguent, 50-gram jars ..... gm	.....	50	50	100	150
Hydrarg. pilul, 50-gram jars ..... gm	50	50	100	150	150
Hydrarg. pilul, 0.03-gram pil ..... No	100	200	300	400	500
Hydrarg. unguent, 100-gram jars ..... gm	100	200	400	800	1,000
Hyoscyami ext., 50-gram jars ..... gm	.....	50	50	100	150
Iodinium, 50-gram bottles ..... gm	.....	50	50	50	50
Iodoformum, 25-gram bottles ..... gm	.....	.....	25	50	50
Ipecacuanhæ, ext. fluid., 50-c. c. bottles ..... c. c.	.....	50	50	100	150
Ipecacuanhæ pulvis, 100-gram bottles ..... gm	100	100	100	200	200
Ipecacuanhæ pulvis comp., 100-gram bot ..... gm	100	100	100	200	300
Lini farina, 2-kilo. tins ..... kg	2	4	10	12	20
Linum, 2-kilo. tins ..... kg.	2	2	2	4	6
Lithii carb., 25-gram bottles ..... gm	.....	25	50	50	75
Magnesia, 100-gram bottles ..... gm	.....	100	200	300	300
Magnesi. sulph., 2-kilo. tins ..... kg.	2	4	4	8	12
Manganes. ox. nig., 2-kilo. box ..... kg	.....	2	4	6	10
Menth. pip. ol., 25-c. c. bottles ..... c. c	.....	25	25	50	75
Morphiæ sulphas, 5-gram bottles ..... gm	5	5	10	15	20
Morphiæ sulphas, 0.01-gram pil ..... No.	.....	400	600	800	1,000
Morrhuæ oleum, 500-c. c. bottles ..... lt.	1	3	6	9	12
Nucis vomicæ ext. fl., 25-c. c. bottles ..... c. c	.....	25	25	25	25
Nucis vomicæ ext. pills, 0.01-gram pil ..... No	.....	200	200	300	400
Olivæ oleum, 500 c. c. bottles ..... lt.	½	1	2	4	6
Opii pulvis, 50-gram bottles ..... gm.	50	50	100	150	150
Opii tinctura, 500-c. c. bottles ..... c. c.	500	1,000	1,000	2,000	3,000
Opii tinctura camph., 500-c. c. bottles ..... c. c.	500	1,000	2,000	3,000	4,000

Supply Table—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
MEDICINES—Continued.					
Pepsina, 25-gram bottles ..... gm.	.....	25	25	50	75
Pil. aloin c., 0.02 gram pil ..... No.	100	200	400	600	800
Pil. cath. c., 25-gram bottles ..... gm.	25	25	50	75	75
Pil. phosphor, 0.002-gram pil ..... No.	.....	200	300	400	500
Plumbi acetas, 200-gram bottles ..... gm.	200	200	400	800	800
Podophylli resina, 25-gram bottles ..... gm.	.....	25	25	25	50
Potass. arsenit. liq., 100-c. c. bottles ..... c. c	.....	100	100	200	200
Potass. acetas, 200-gram bottles ..... gm.	.....	200	200	400	400
Potass. bicarb., 200-gram bottles ..... gm.	.....	200	400	400	400
Potass. bichromas, 200-gram bottles ..... gm	.....	200	200	400	400
Potass. bitart., 200-gram bottles ..... gm.	200	200	200	400	400
Potass. bromidum, 200-gram bottles ..... gm.	200	200	400	600	800
Potass. chloras, 200-gram bottles ..... gm.	.....	200	200	400	400
Potass. cyanidum, 25-gram bottles ..... gm.	.....	25	25	50	50
Potass. et sod. tart., 500-gram bottles ..... gm.	500	1,000	2,000	3,000	3,000
Potass. iodidum, 200-gram bottles ..... gm.	400	800	1,000	2,000	2,400
Potass. nitras, 100-gram bottles ..... gm.	.....	100	100	200	300
Potass. permanganas, 25-gram bottles ..... gm.	.....	25	25	50	100
Quiniæ sulphas, 25-gram bottles ..... gm.	50	100	150	200	250
Quiniæ sulphas, 0.2-gram pil ..... No	100	300	600	900	1,200
Quiniæ sulphas, 0.1 gram pil ..... No.	100	300	600	900	1,000
Ricini oleum, 500-c. c. bottles ..... lt.	1	3	6	12	18
Rhei ext. fluid, 100-c. c. bottles ..... c c.	.....	100	100	200	300
Rhei pulvis, 100-gram bottles ..... gm.	100	100	100	200	200
Santoninum, 0 03-gram pil ..... No.	.....	100	100	200	200
Sapo, 500-gram papers ..... gm	500	1,000	2,000	3,000	4,000
Saponis linimentum, 500-c. c. bottles ..... c. c.	500	1,000	2,000	3,000	4,000
Scillæ syrupus, 500 c. c. bottles ..... c. c	500	1,000	2,000	3,000	4,000
Senegæ ext fluid., 200 c. c. bottles ..... c. c	.....	.....	200	400	400
Sennæ ext. fluid. comp., 200 c. c. bottles ..... c. c.	200	200	200	400	400
Sinapis pulvis, 1-kilo tins ..... kg.	1	1	1	2	2
Sinapis emplastrum, paper, boxes ..... No.	1	2	4	6	8
Sodii bicarbonas, 500-gram bottles ..... gm.	500	500	1,000	1,500	2,000
Sodii boras, 200-gram bottles ..... gm	.....	200	400	800	1,000
Sodæ chlor. liquor, 500 c. c. g. s. bottles ..... c. c	.....	1,000	2,000	3,000	3,000
Strychnia, 5-gram bottles ..... gm.	.....	5	5	5	5
Sulphur ..... gm.	....	500	500	1,000	1,000
Sulphur, roll ..... gm.	.....	2,000	5,000	8 000	10,000
Terebinth. oleum, 500 c. c. bottles ..... lt.	½	1	1	2	3
Theobromæ oleum, 50-gram bottles ..... gm.	.....	50	50	100	150
Tiglii oleum, 25 c. c. bottles ..... c. c	.....	25	25	25	25
Valerianæ ext. fluid., 200 c. c. bottles ..... c. c	.....	.....	200	400	400
Verat. virid. ext. fluid, 25 c. c. bottles ..... c. c.	.....	25	25	25	25
Virus vaccinum (special letter)	.....	.....	.....	.....	.....
Zinci carb. præcip., 25-gram bottles ..... gm.	.....	25	25	50	75
Zinci sulphas, 25-gram bottles ..... gm.	25	50	75	100	150
Zingiberis ext. fluid, 200 c. c. bottles ..... c. c.	200	200	400	800	800

Supply Table—Continued.

Articles.		Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
HOSPITAL STORES.						
Arrow-root, 500-gram tins	gm.	500	500	500	1,000	1,000
Barley, 500-gram tins	gm.	.....	500	1,000	1,500	2,000
Brandy, 500-c. c. bottles	lt.	.....	4	6	12	15
Corn-starch, 500-gram tins	gm.	.....	1,000	2,000	2,000	2,000
Extract of beef, 120 c. c. bottles	bots.	3	6	12	24	36
Extract of malt, 500-c. c. bottles	c. c.	.....	3,000	5,000	6,000	8,000
Milk, 500-c. c. cans	c. c.	.....	2,000	3,000	4,000	6,000
Nutmegs	gm.	.....	25	25	25	25
Sugar, white, 2-kilo. cans	kg.	.....	2	2	4	6
Tapioca, 500-gram tins	gm.	.....	500	500	500	1,000
Tea, black, 500-gram tins	gm.	.....	500	500	1,000	1,000
Whisky, 500-c. c. bottles	lt.	2	6	12	15	18
Wine, port, 500-c. c. bottles	lt.	.....	3	4	6	9
Wine, sherry, 500-c. c. bottles	lt.	.....	3	4	8	10
SURGICAL INSTRUMENTS.						
Aspirator	No.	.....	.....	1	1	1
Atomizer, steam	No.	.....	.....	1	1	1
Bougies, gum	No	.....	.....	.....	.....	.....
Bougies, o. p	No.	.....	.....	.....	.....	.....
Catheters, gum	No.	.....	.....	.....	.....	.....
Catheters, o. p	No.	.....	.....	.....	.....	.....
Catheters, silver	No.	1	2	2	.....	.....
Case, autopsic	No.	.....	.....	.....	1	1
Case, dental, No. 1	No.	.....	.....	1	1	1
Case, eye and ear	No.	.....	.....	.....	1	1
Case, expeditionary and boat	No.	1	1	1	1	1
Case, general operating	No.	.....	.....	.....	1	1
Case, general operating, small	No	.....	1	1	.....	.....
Case, pocket	No.	1	1	1	2	2
Case, urinary	No.	.....	.....	.....	1	1
Cupping-glasses	No.	4	6	12	18	18
Galvanic battery	No.	.....	.....	1	1	1
Lancets, thumb	No.	1	2	2	2	2
Laryngoscope	No	.....	.....	1	1	1
Microscope (special requisition)	No	.....	.....	.....	.....	.....
Ophthalmoscope	No.	.....	.....	1	1	1
Razor	No.	1	1	1	1	1
Razor-strop	No.	1	1	1	1	1
Scarificator	No	.....	1	1	1	1
Speculum, anal	No.	.....	.....	1	1	1
Speculum, aural	set.	1	1	1	.....	.....
Stethoscope, double	No.	.....	1	1	1	1
Stomach-pump	No	1	1	1	1	1
Syringes, enema	No.	1	1	1	1	1
Syringes, hypodermic	No.	1	1	2	2	2
Syringes, p., glass	No.	.....	2	2	3	4
Syringes, p., rubber	No.	2	4	6	9	12

Supply Table—Continued.

Articles.		Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
SURGICAL INSTRUMENTS—Continued.						
Syringes, self-injecting	No	1	1	2	3	4
Thermometers, clinical	No.	1	1	1	2	2
Tourniquets, field	No.	4	10	20	30	30
Tourniquets, screw	No.	.....	4	8	12	16
Urinometer	No.	.....	1	1	.....	.....
SURGICAL APPLIANCES.						
Antiseptic outfit	No.	1	1	2	3	4
Bandages, Esmarch's	No	1	1	1	1	1
Bandage roller	No.	1	1	1	1	1
Bandages, suspensory	No.	.....	4	6	8	10
Binder's boards	No.	.....	2	2	4	4
Buckskins	No	.....	1	1	2	2
Cotton batting, ½-kilo. packages	kg.	½	1	1	2	2
Cotton, absorbent	kg.	½	1	1	2	3
Flannel	meters.	2	5	5	8	10
Gypsum, calcined, 2-kilo. tins	kg.	.....	2	2	4	4
Ligature, silk	gm.	4	8	8	16	16
Ligature, wire, 1-meter rolls	m	.....	1	1	2	2
Lint, patent, ½-kilo. rolls	kg	½	2	2	4	4
Muslin	meters.	4	40	80	120	120
Muslin, oiled, 1-meter rolls	m.	1	3	4	5	5
Needles, thimble, and thread	sets.	1	1	1	1	1
Pencils, hair	No.	2	6	6	12	12
Pins	gm.	50	100	150	200	250
Plaster, adhesive, 5-meter rolls	m.	2	5	5	10	10
Plaster, adhesive, rubber, 5-meter rolls, 3-in.	m.	5	5	10	10	15
Plaster, isinglass, 1-meter rolls	m.	1	2	3	4	5
Silk, gray	m	.....	½	½	1	1
Splints	sets	.....	1	1	1	1
Sponge, bath	gm.	50	100	100	200	300
Sponge, surgical	gm.	50	100	100	200	300
Tape	pieces	.....	2	2	4	6
Tape-line	No.	.....	1	1	1	1
Trusses, single	No.	.....	2	2	4	6
Trusses, double	No	.....	1	1	2	2
Tubing, drainage	m.	1	1	2	3	4
Wax, yellow	gm.	.....	100	100	100	100
DISPENSARY FURNITURE.						
Apparatus stand	No.	.....	.....	1	1	1
Apparatus, atmospheric	No.	.....	.....	1	1	1
Boat medicine-chest	No.	.....	1	1	2	2
Bottle-clasps	No.	.....	.....	.....	.....	.....
Corks, bottle	No.	.....	50	50	75	100
Corks, vial	No.	50	100	150	300	300

Supply Table—Continued.

Articles.		Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
DISPENSARY FURNITURE—Continued.						
Cork-extracters	No.	.....	1	1	1	1
Cork-screw	No	1	1	1	1	1
Funnels, glass	No	.....	1	1	2	2
Funnels, gutta-percha	No.	1	1	1	1	1
Gallicups	No.	.....	4	4	6	8
Grater, nutmeg	No	.....	1	1	1	1
Lamp, nursery	No.	.....	1	1	1	1
Litmus paper, red	bot.	.....	1	1	1	1
Litmus paper, blue	bot	.....	1	1	1	1
Measures, tin, 500-c. c	No	.....	1	1	1	1
Measures, tin, 250-c. c	No.	.....	1	1	1	1
Measures, glass, 250-c. c	No.	.....	1	1	1	1
Measures, glass, 125-c. c	No.	.....	1	1	1	1
Measures, glass, 50-c. c	No.	1	1	1	1	1
Measures, glass, 25-c. c	No.	1	1	1	1	1
Measures, glass, 5-c. c	No	1	1	1	1	1
Medicine chest	No.	1	.....	.....	.....	.....
Medicine droppers	No.	1	2	3	4	5
Mortar and pestle, glass	No	.....	1	1	1	1
Mortar and pestle, wedgewood	No.	1	1	2	2	2
Percolator	No.	.....	.....	.....	1	1
Pill boxes, paper	No.	25	50	75	150	250
Pill boxes, wood	No.	.....	15	15	25	25
Pill tile	No.	1	1	1	1	1
Psychrometer	No.	.....	1	1	1	1
Scales, apothecary's	No	.....	1	1	1	1
Scales, apothecary's, small	No.	1	.....	.....	.....	.....
Scale-case	No.	.....	1	1	1	1
Scissors, pairs	pairs	1	1	2	2	2
Sheepskins	No.	.....	2	4	6	8
Spatulas, 15 c. m	No.	.....	.....	.....	1	1
Spatulas, 12½ c. m	No.	...	1	1	1	1
Spatulas, 10 c. m	No.	1	.....	.....	.....	.....
Spatulas, 7½ c. m	No.	.....	1	1	1	1
Spirit-lamp	No.	.....	1	1	1	1
Test case	No.	.....	...	.....	1	1
Test tubes	No	.....	5	5	10	10
Tubing, glass	gm	.....	125	250	375	500
Twine	gm.	.....	125	250	375	500
Vials, assorted	No.	15	50	60	70	80
Weights, apothecary's	sets	.....	1	1	1	1
HOSPITAL FURNITURE.						
Ambulance cot		.....	1	1	1	1
Basin and pitcher, delf	No.	.....	1	1	1	1
Basins and pitchers, metal	No.	1	1	2	2	3
Basins, tin, dressing	No.	.....	2	3	4	5

Supply Table—Continued.

Articles.		Less than 50 men.	50 to 100 men.	100 to 200 men.	men.	400 and upwards.
HOSPITAL FURNITURE—Continued.						
Bed pans	No.	.....	1	1	2	2
Bowls, pint	No.	.....	2	3	4	4
Brush, dust	No.	.....	1	1	1	1
Buckets, tin	No.	.....	1	1	2	2
Buckets, wood	No.	.....	1	1	2	2
Candlesticks	No.	1	2	2	4	4
Chairs	No.	.....	.....	2	3	4
Close stool, large	No	.....	.....	.....	1	1
Close stool, small	No	.....	1	1	.....	.....
Cups and saucers	No.	.....	2	3	6	6
Feeding cups	No.	1	1	2	4	4
Filter, water	No.	.....	.....	1	1	1
Knives and forks	No.	.....	2	4	6	6
Ladle	No.	.....	.....	1	1	1
Lamps, hanging	No.	.....	1	2	2	2
Lantern, hand	No.	.....	1	1	1	1
Mugs	No.	1	1	2	4	4
Pans	No.	.....	1	2	4	4
Sauce pans	No.	.....	1	2	3	3
Shovel, dust	No	.....	1	1	1	1
Spit-cups	No.	.....	2	4	4	6
Spoons, medicine	No.	1	2	2	4	6
Spoons, table	No.	1	4	4	6	8
Spoons, tea	No	1	4	4	6	8
Table, writing and operating	No	.....	.....	.....	1	1
Table, writing	No.	.....	1	1	.....	.....
Tea-pot	No.	.....	1	1	1	1
Tub, foot	No	.....	.....	1	1	1
Tumblers	No.	1	2	2	4	4
Urinals, glass	No.	.....	2	2	2	2
Wine-glasses	No.	1	2	2	4	4
BEDDING.						
Bed spreads	No.	.....	2	4	6	8
Blankets	No.	.....	2	2	4	6
Mattresses, hair	No	.....	.....	2	4	6
Mattress covers	No.	.....	.....	2	4	6
Pillows	No.	.....	.....	2	4	6
Pillow covers	No.	.....	.....	2	4	6
Pillow cases	No.	.....	2	4	8	12
Pillow cases, gum	No.	.....	.....	1	2	2
Sheets, cotton	No.	.....	4	6	12	24
Sheets, gum	No	1	1	1	2	2
Towels	No.	4	6	6	12	18
BOOKS.						
Dispensatory	No.	1	1	1	1	1
Parke's Hygiene	No.	.....	1	1	1	1
Quain's Dictionary	No.	1	1	1	1	1

Supply Table—Continued.

Articles.		Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
STATIONERY.						
Blank books, foolscap, 4-quire	No.	.....	1	2	2	2
Blank books, foolscap, 2-quire	No.	1	2	2	3	3
Blank books, small quarto	No.	1	2	2	3	3
Envelopes, official	No.	25	25	50	50	100
Envelopes, small	No.	25	25	50	50	100
Erasure knife	No.	.....	1	1	1	1
India rubber	pieces.	.....	1	1	1	1
Ink, black	bot.	1	1	2	2	3
Ink, red	bot.	.....	1	1	1	1
Inkstands	No.	1	1	1	2	2
Lead-pencils	No.	2	2	5	5	10
Medical Journals	No.	1	1	2	3	4
Mucilage	bot.	.....	1	1	1	1
Paper, blotting	qrs.	.....	½	½	1	1
Paper, envelope	qrs.	¼	1	2	5	5
Paper, filtering	qrs.	.....	1	2	5	5
Paper, foolscap	qrs.	.....	5	10	10	10
Paper, official, whole sheets	qrs.	.....	2	5	5	10
Paper, official, half sheets	qrs.	.....	2	5	10	10
Paper, ruled, note	qrs.	1	2	5	10	10
Paper, wrapping, blue	qrs.	1	2	10	15	20
Paper, wrapping, white	qrs.	.....	2	5	5	10
Penholders	No.	2	3	4	5	6
Pens, steel	box.	¼	1	1	1	1
Portfolios	No	.....	1	1	1	1
Quills	No.	.....	25	25	25	25
Rulers	No.	.....	1	1	1	1

Additional Articles for Hospitals and Shore Stations.

Books, press copy, letter	No.	2
Desk shears	No.	1
Files, Shipman's	No.	2
Ink, copying	bot.	2
Letter clips	No.	4
Paper-knives, ivory	No.	2
Paper-fasteners	box	2
Paper, wrapping, manila	quires.	4
Paper-weights	No.	4
Pads, memorandum	No.	24
Pen-racks	No.	2
Pins, pyramid	No.	4
Rubber bands	gross	2
Tags, marking	No.	100
Twine, assorted	balls	3

Metric System.

The unit of the *Metric System of Weights and Measures*, is the *Meter*, or the ten-millionth part of the distance from the equator to the north pole measured on an arc of the meridian; and all other measures of length, surface, capacity, and weight are designated by decimal multiples and subdivisions of this unit, and of the *Gram*, which is the weight of one cubic centimeter of distilled water at its maximum density under the pressure of one atmosphere.

The terms in most common use, besides the *Meter* for linear measure, will be the Kilogram, or simply *Kilo*, and its equivalent, the *Liter*, for heavy solids and liquids, and the *Gram* and its equivalent, the Cubic Centimeter, *C. C.*, for smaller quantities.

The *Meter* is about equal to	3 ft. 3⅜ in., or 1.′ yard.
The *Liter* is about equal to	33⅞ oz, or 1.′ quart.
The *Half-Kilo* is about equal to	17⅝ oz, or 1.′ pound.
The *Cubic Centimeter*, C. C., is about equal to	16¼ ♏.
The *Gram* is about equal to	15½ grains.

The Foot is about equal to	32 centimeters.
The Ounce and f. ℥ are about equal to	32 grams, or 32 c. c.
The Drachm and f.ʒ are about equal to	4 grams, or 4 c. c.
The Grain and ♏ are about equal to	$\frac{1}{15}$ gram, or $\frac{1}{15}$ c. c.

Hence, to convert English denominations into Grams and Centimeters—

Divide the number of grains by 15; or
Multiply the number of drachms by 4; or
Multiply the number of ounces by 32.

In writing perscriptions Arabic numerals should be used and precede the abbreviations Gm. C. C., care being also taken to place the decimal points of the several lines under each other, or to indicate their place by a perpendicular line, the fractional subdivisions of the gram or cubic centimeter being on the right and the whole numbers on the left of this line; thus:

℞—Potassii cyanid	0	05 gm.
Opii tinct. camph	16	00 c. c.
Prun. virg. ext. fl	32	00 c. c.
Tolutani syrup	32	00 c. c.
Acaciæ syrup	48	00 c. c.
M.		

℞—Hydrarg. chl. mit	0	1 gm.
Pepsinæ saccbar	10	00 gm.
Magnesiæ	5	00 gm.
M.		

′ In chart. X divid.

In ordering doses, in the absence of graduated measures—

An ordinary teaspoon may be considered as equivalent to	5 c. c.
An ordinary dessertspoon	10 c. c.
An ordinary tablespoon	20 c. c.
An ordinary wineglass	50 c. c.
An ordinary tumbler	250 c. c.

The following tables represent in detail the several denominations of the Metric System, with their equivalents in English weights and measures, as legalized by act of Congress:

Measures of length.

Denominations.	Abbreviations.	Values.		Equivalents.
Myria-meter	Mm	10,000.	meters	6.21382 miles.
Kilo-meter	Km	1,000.	meters	0.6213 miles.
Hecto-meter	Hm	100.	meters	328.08964 feet.
Deka-meter	Dm	10.	meters	32.8089 feet.
Meter	m	1.	meter	3.2808 feet.
Deci-meter	dm	.1	meter	3.9371 inches.
Centi-meter	cm	.01	meter	0.3937 inch.
Milli-meter	mm	.001	meter	0.03937 inch.

Measures of surface.

Denominations.	Abbreviations.	Values.	Equivalents.
Hect-are	Ha	1 sq. hectometer=10,000 sq. meters	2.471 acres.
Are	a	1 sq. dekameter = 100 sq. meters	119.603 sq. yards.
Cent-are	ca	1 sq. meter	10.7643 sq. feet.

Weights.

Denominations.	Abbreviations.	Values.		Equivalent avoirdupois.	Equivalent apothecary's.
Metric ton	MT	1,000,000.	grams.	0.9844 ton	
Quintal	Q	100,000.	grams.	220.46 pounds.	267.92273 pounds.
Myria-gram	Mg	10,000.	grams.	22.0462 pounds.	26.79227 pounds.
Kilo-gram	Kg	1,000.	grams.	2.2046 pounds.	2.67923 pounds.
Hecto-gram	Hg	100.	grams.	3.5274 ounces.	3.21507 ounces.
Deka gram	Dg	10.	grams.	5.643 drachm	2.572 drachms.
Gram	g	1.	gram	0.564 drachm	15.43235 grains.
Deci-gram	dg	.1	gram		1.5432 grains.
Centi-gram	cg	.01	gram		0.1543 grain.
Milli-gram	mg	.001	gram		0.0154 grain.

Measures of capacity.

Denominations.	Abbreviations.	Values.	Equivalent dry measure.	Equivalent wine measure.
Kilo-liter or Ster	Kl or St	1 cu. meter = 1,000 cu. dm	35.3165 cu. feet	264.17 gallons.
Hecto-liter	Hl	100 cu. dm	2.8374 bushels	26.417 gallons.
Deka-liter	Dl	10 cu. dm	1.1349 pecks	2.647 gallons.
Liter	l	1,000 c. c. = 1 cu. dm	0.908 quart	1.054 quarts.
Deci-liter	dl	100 c. c	6.1022 cu. inches	0.845 gill.
Centi-liter	cl	10 c. c	0.6102 cu. inches	2.704 flu. dms.
Milli-liter	ml or c. c.	1 cubic centimeter	0.061 cu. inches	16.231 minims.

Metric equivalents of English weights and measures.

Measures.	Gallon.	Quart.	Pint.	Ounce.	Drachm.	Minim.
	Liters.	*Liters.*	*C. C.*	*C. C.*	*C. C.*	*C. C.*
United States wine	3.785	0.9465	473.25	29.57812	3.6927	.06162
Dry	4.403	1.10135	550 67	.....	.....	.....
Imperial	4.543	1.13586	567.93	28.3965	3.5495	.059159
Beer	4.617	1.15438	577.19	.....	.....	.....

Measures.	Pound.	Ounce.	Drachm.	Grain.
	Grams.	*Grams.*	*Grams.*	*Gram.*
Avoirdupois	453.59	28.34959	1.77185	.....
Apothecary and Troy	373.24	31.10349	3.88794	.0647989

CONTENTS OF INSTRUMENT CASES.

General Operating Case.

1 large saw.
1 butcher's saw with extra blade.
1 metacarpal saw with movable back.
1 chain saw.
1 Hey's saw.
2 trephines.
1 elevator.
3 bone-cutting forceps.
3 bone-holding forceps.
3 gouges.
4 bone-drills (with one handle).
1 straight knife, 9½-inch cutting-edge.
1 straight knife, 7-inch cutting-edge.
1 catling, 8-inch.
1 catling, 6¼-inch.
1 cartilage-knife.
7 scalpels (3 dissecting, 4 large).
2 tenacula.
3 artery-forceps.
1 dressing-forceps.
3 probes (1 Nelaton's bullet-probe and 2 silver).
2 directors.
1 probang.
1 bristle probang.
1 œsophageal forceps.
6 pair serre-fines.
1 straight trocar and canula.
1 curved trocar and canula.
2 tracheotomy-tubes.
1 tongue-depressor.
12 yards suture-wire.
2 metal retractors.
12 surgeon's needles.
6 wire-suture needles and 3 Emmett's.
1 needle-carrier and cutting-pliers.
2 dozen suture-pins.
½ ounce ligature-silk.
1 Sim's torsion-forceps.
1 screw tourniquet.
1 straight probe-pointed bistoury.
1 straight sharp-pointed bistoury.
1 curved probe pointed bistoury.
1 curved sharp-pointed bistoury.
1 curved hernia-knife.
1 lithotomy-scalpel (sharp-pointed.)
1 lithotomy-bistoury (probe-pointed).
1 aneurism-needle (with set of movable points).
2 pair scissors (1 straight, 1 curved on edge).
1 bullet-forceps.

Expeditionary and Boat Case.

1 straight knife, 10 inches.
1 catling, 9 inches.
1 straight knife, 8 inches.
1 scalpel, 3 inches.
1 bistoury, 3 inches.
1 tenaculum.
1 artery-needle.
2 artery-forceps.
1 amputating-saw.
1 metacarpal saw.
1 bone-cutting forceps.
1 bullet-forceps.
1 tourniquet, screw.
1 dozen needles.
3 skeins silk.

Pocket Case.

1 straight finger-knife.
1 double-edged scalpel.
1 curved bistoury, sharp-pointed.
1 catheter.
1 tenaculum, with 3 movable points (artery-needle, etc.)
1 lancet, thumb in one end, vaccinator in the other.
1 curved bistoury, probe-pointed.
1 exploring trocar.
1 tenotone.
1 pair scissors, straight.
1 pair scissors, curved or flat.
1 dressing-forceps.
1 artery-forceps (Amussat's, arranged to carry needle).
1 artery-forceps (Liston's bull-dog, fenestrated).
1 lancet, abscess.
2 probes, silver.
1 probe with porte-mèche and porcelain button.
1 director, silver, curved spatula-handle.
1 double canula.
25 silvered entomological pins.
6 suture-needles, 3 straight, 3 grooved for wire.
6 acupuncture needles.
Silver and lead wire.

Eye and Ear Case.

1 Anel's (silver) syringe and probe.
1 set Bowman's probes, Nos. 1 to 8.
1 cilia-forceps.
1 iris-forceps.
2 Von Græfe's knives.
1 Weber's canaliculus knife.
1 pair scissors, Noyes' iris.
1 Critchett's spoon.
1 strabismus-hook.
1 Noyes' eye-speculum.
1 hydrocele-syringe, with stop-cock and ear-piece.
1 set specula.
1 curette.
1 eustachian catheter.
1 Politzer's bag.
1 Toynbee's forceps.

Urinary Case.

1 set (Van Buren's) bougies, nickel-plated, Nos. 6, 9, 12, 15, 18.
1 straight sound.
1 grooved staff, medium.
3 catheters, silver, Nos. 3, 6, 9.
1 prostatic catheter.
1 prostatic catheter.
1 lithotomy-forceps.
12 whalebone bougies.
3 s. s. bougies, Nos. 1 to 6, inclusive, double.

Dental Case No. 1.

1 upper-bicusped forceps.
1 lower-incisor forceps.
1 right upper-molar forceps.
1 left upper-molar forceps.
1 lower-molar forceps for both sides.
1 wisdom-tooth forceps (bayonet).
1 front-root forceps.
1 back-root forceps (bayonet).
2 elevators.
1 gum lancet.

Dental Case No. 2.

1 upper-incisor forceps.
1 lower-incisor forceps.
1 universal forceps.
1 lower-molar forceps.
1 root-forceps.
1 elevator.
1 gum-lancet.

Autopsic Case.

1 aneurism needle, large.
1 blow-pipe.
1 brain-knife, double edged.
1 cartilage-knife.
1 set chain-hooks.
1 gouge and 1 chisel.
1 costatome.
1 director.
1 enterotome.
1 dissecting forceps.
1 hammer.
3 large needles.
1 saw.
4 scalpels, assorted sizes.
1 pair scissors.
1 tenaculum.

Laryngoscope Case.

1 3½-inch mirror with head band.
2 laryngeal mirrors, Nos. 3 and 5.
1 pair Shimrock's laryngeal forceps.

Aspirator.

1 pump and tubing.
3 trocars and needles, nickel-plated.
1 32-ounce bottle, graduated.

General Operating Case (Weed's) No. 2.

1 pair silver probes.
2 steel sounds.
1 long amputating knife.
1 circular knife.
1 catling.
1 trepanning scalpel with raspatory.
1 spiral tourniquet.
12 needles, silk, wax, plastic pins.
1 trepanning brush.
1 metacarpal saw.
1 bullet forceps.
1 pair straight dressing scissors.
1 pair curved eye scissors.
1 Hey's saw.
1 silver-plated catheter.
1 gum-elastic catheter.
2 gum-elastic bougies.
1 capital saw.
1 pair Liston's bone-forceps.
1 trephine and handle.
1 pair spring-catch artery forceps, plain.
1 trepanning elevator.
1 director, steel.
1 Beer's cataract knife.
1 curved sharp-pointed bistoury.
1 curved probe-pointed bistoury.
2 scalpels.
1 plain aneurism-needle.
1 tenaculum.
1 strabismus blunt hook.
1 straight eye-needle.
1 curved eye-needle.
1 curved eye-forceps, strabismus.

Set of Splints.

1 double inclined plane.
1 long splint, for fractures of the lower extremities, with a belt and perineal pad and strap.
1 short curved splint, for the inside of the thigh.
2 carved splints for general use.
(All these have pads fitted and tied to them.)
1 set of leathered wooden splints.
2 sheets of cotton wadding.
1 package of tow.

The double inclined plane has the lower part so arranged as to be easily detached and used separately as a fracture-box when required; it has also large buttons on the bottom, which, when turned crosswise, make the apparatus rest more firmly on the mattress.

The long splint, for the lower extremities, is adapted for the use of an adhesive-plaster extending-band. A strip of adhesive plaster, about two inches wide, is to be applied to the limb in the direction of its axis from the seat of fracture, down one side and up the other, leaving a loop or stirrup under the sole of the foot. The whole is then enveloped with a roller bandage, applied with a moderate degree of firmness. A thin piece of board, about two inches square, is made to adhere to the inside of the loop or stirrup at the sole of the foot, and around this, and over the hook of the splint, a piece of tape is passed, by which to make extension.

A pocket is made in the belt to receive the upper end of the splint, and the buckles on the outside of the pocket receive the ends of the perineal straps for counter extension.

To adapt the splint to opposite sides it is only necessary to take out the hook and adjust it so that the opening may look upward.

Contents of Box for Examination of Air.

2 glass bottles with india-rubber stoppers.
1 Mohr's bruette, 50 c. c., complete.
1 glass graduate, 60 c. c.
1 glass bottle, 1,000 c. c. capacity.
1 glass bottle for lime-water.
Glass rods, q. s.
Sheet rubber, q. s.
Litmus or turmeric paper, q. s.
Oxalic acid, crystallized, in small glass bottles, each containing 2.25 grams of acid.

Test Case.

Red and blue litmus paper.
Forceps.
Urinometer.
4 porcelain capsules and covers.
2 separating glasses.
4 test tubes.
3 glass tubes.
3 glass rods.

Test Case—Continued.

3 watch-glasses.
1 gas-tube, 25 c. c.
1 graduated tube, with foot, 25 c. c.
2 glass funnels.
2 small beakers.
1 pipette, 5 c. c., graduated in 1-10.
2 sheets Swedish filtering paper, "J. H. Munktell."
1 mahogany case.
1 set centesimal weights.
1 ounce acetic acid, c. p.
1 ounce hydrochloric acid, c. p.
1 ounce nitric acid, c. p.
1 ounce sulphuric acid, c. p.
Potassium hydrate.
Barium chloride.
Sodium acetate.
Ammonium oxalate.
Uranium nitrate.
Potassium chromate.
Sodium carbonate, free from chlorides.
Wire gauze, 5 by 5.
Calcium carbonate, pure.
"Memoranda to accompany the Naval Test Case.

Supply-Table for Medical Outfit for the Boat of the Medical Officer.

[To be put up at the Laboratory and supplied as part of the outfit of the vessel.]

Articles.	Quantities.	Uses.
Whisky	2 bottles—200 c. c	Stimulants for exhausted and wounded men.
Extract of beef	1 jar	
Laudanum	1 bottle—100 gm	To relieve pain.
Chloroform	1 bottle—200 gm	
Diarrhœa mixture	1 bottle—100 gm	To check diarrhœa.
Lime-water and linseed oil, equal parts.	500 c. c	For burns and scalds.
Sulphate of zinc	4 powders—0.3 gm	Emetics in cases of poisoning.
Ipecacuanha, fluid ext	1 bottle—50 gm	
Liq. ferri subsulph	1 bottle—25 gm	For arresting hemorrhage and dressing wounds.
Adhesive plaster	2 meters	
Isinglass plaster	1 meter	
Lint	500 gm	
Muslin	2 meters	
Bandages, assorted	10	
Tourniquets, field	10	
Ligatures, silk	10	
Needles, threaded	5	
Pins	25 gm	
Scissors	1 pair	
Soap	50 gm	
Sponges	3	
Towels	3	
Tumbler	1	For administering medicines.
Wine-glass	1	
Measure-glass, 50 c. c	1	
Teaspoon	1	
Tablespoon	1	

Every article to be labeled with its use, and each medicine to be distinctly marked, with directions for administration and quantity of dose.

STATISTICAL NOMENCLATURE

OF

DISEASES, ETC.

STATISTICAL NOMENCLATURE OF DISEASES.

[Royal College of Physicians and Surgeons, England.]

MORBID STATES AND PROCESSES, IRRESPECTIVE OF PARTS AFFECTED.

Adynamia.
Atrophia.
Degeneratio.
Hæmorrhagia.
Hydrops.
Hypertrophia.
Tuberculosis.

GENERAL DISEASES.

Dependent upon morbid poisons.

CLASS 1.

Catarrhus epidemicus.
Cholera epidemica.
Denguis.
Diphtheria.
Diarrhœa epidemica.
Dysenteria acuta.
Dysenteria chronica.
Febris continua simplex.
Febris cerebro-spinalis.
Febris enterica.
Febris flava.
Febris recidiva.
Febris typhus.
Febris typho-malarialis
Morbilli.
Pertussis.
Parotitis.
Roseola.
Scarlatina.
Vaccina.
Variola.

CLASS 2.

Cachexia malarialis.
Febris intermittens.
Febris remittens.

CLASS 3.

Erysipelas.
Phagedæna.
Pyæmia.
Septicæmia.

CLASS 4.

Gonorrhœa.
Syphilis primitiva.
Syphilis consecutiva

Dependent upon causes other than morbid poiso

CLASS 1.

Aërum effectus.
Caloris effectus.
Frigoris effectus.

CLASS 2.

Alcoholismus.
Scorbutus.

Developmental Diseases.

Senectus.

Unclassified Diseases.

Anæmia.
Diabetes.
Podagra.
Rheumatismus.
Rheumatismus acutus.
Scrofula.

Local Diseases.

Diseases of the Nervous System.

Apoplexia.
Chorea.
Convulsio.
Cephalalgia.
Dementia.
Encephalitis.
Epilepsia.
Hysteria.
Insolatio.
Insomnia.
Irritatio spinalis.
Mania.
Melancholia.
Myelitis.
Meningitis.
Neuralgia.
Neurasthenia.
Nausea marina.
Paralysis.
Tetanus.
Vertigo.

Diseases of the Eye.

Achromatopsia.
Amaurosis.
Asthenopia.
Blepharitis.
Cataracta.
Conjunctivitis.
Ectropium.
Fistula lachrymalis.
Glaucoma.
Hemeralopia.
Hordeolum.
Iritis.
Keratitis.
Myopia.
Nyctalopia.
Ophthalmia.
Pterygium.
Retinitis.
Sclerotitis.
Ulcus corneæ.

Diseases of the Ear.

Otalgia.
Otitis.
Otorrhœa.
Surditas.

Diseases of the Nose.

Catarrhus nasalis.
Epistaxis.
Ozæna.

Diseases of the Circulatory System.

Aneurysma.
Angina pectoris.
Dilatatio cordis.
Endocarditis.
Hydrops pericardii.
Hypertrophia cordis.
Morb: valvul: cordis.
Palpitatio.
Pericarditis.
Phlebitis.
Varix.

Diseases of the Respiratory System.

Asthma.
Bronchitis acuta.
Bronchitis chronica.
Catarrhus.
Emphysema.
Hæmoptysis.
Laryngitis.
Pleuritis.
Pneumonia.
Pneumo-thorax.
Phthisis pneumon: acuta.
Phthisis pneumon: chronica.

Diseases of the Digestive System.

Caries dentium.
Odontalgia.
Parulis.
Ascites.
Cholera morbus.
Colica.
Constipatio.
Congestio hepatis.
Cirrhosis hepatis.
Dyspepsia.
Diarrhœa acuta.
Diarrhœa chronica.
Enteritis.
Fistula in ano.
Gastritis.
Gastrodynia.
Hæmatemesis.
Hæmorrhois.
Hepatitis acuta.
Hepatitis chronica.
Icterus.
Peritonitis.
Pharyngitis.
Prolapsus ani.
Rhagades ani.
Stomatitis.
Tonsillitis.
Typhlitis.

Diseases of the Lymphatic System.

Adenitis.
Lymphangitis.
Splenitis.

Diseases of the Urinary System.

Albuminuria.
Calculus.
Cystitis.
Dysuria.
Enuresis.
Hæmaturia.
Ischuria.
Nephritis.

Diseases of the Generative System.

Balanitis.
Chancroides.
Hydrocele.
Orchitis.
Paraphymosis.
Phymosis.
Prostatitis.
Spermatorrhœa.
Urethræ strictura.
Urethritis.
Varicocele.

Diseases of the Locomotor System.

Ankylosis.
Arthritis.
Caries.
Necrosis.
Ostitis.
Periostitis.
Synovitis.

Diseases of the Integumentary System.

Abscessus.
Acne.
Anthrax.
Clavus.
Ecthyma.
Eczema.
Erythema.
Furunculus.
Herpes.
Impetigo.
Lichen.
Lupus.
Onychia.
Paronychia.
Pemphigus.
Pernio.
Porrigo.
Prurigo.
Psoriasis.
Rupia.
Scabies.
Tinea.
Ulcus.
Unguis involutus.
Urticaria.
Verruca.

PARASITIC DISEASES.

Filaria.
Trichinosis.
Vermes.

POISONS.

Colica pictonum.
Vulnus venenatum.

TUMORS AND CYSTS.

(*Malignant or Non-malignant.*)

Adenoma.
Angeioma.
Chondroma.
Condyloma.
Cystis.
Epithelioma.
Fibroma.
Lipoma.
Neuroma.
Osteoma.
Polypus.
Sarcoma.

INJURIES, &c.

Abrasio.
Ambustio.
Concussio.
Contusio.
Fractura.
Hernia.
Luxatio.
Stremma.
Submersio.
Vulnus contusum.
Vulnus incisum.
Vulnus laceratum.
Vulnus punctum.
Vulnus sclopetarium.

FEIGNED DISEASES.

SURGICAL OPERATIONS.

NOTE.—Diseases not mentioned should be grouped under the respective classes to which they belong; *e. g.*, *Oesophagitis*, Diseases of the Digestive System.

For the purposes of amplification the following examples may be cited:

General Diseases, Class 2, *Febris Intermittens* may be quotidian, tertian, &c.

Circulatory System—*Aneurysma;* Aortic, Femoral, Axillary, &c.

Parasitic Diseases—*Vermes;* Ascarides, Lumbrici, Tænia, &c.

Injuries, &c.—*Fractura;* variety, part affected, &c.

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